▪PRODUCT SPECIFICATIONS

IP Cameras, IP Domes, IP Thermal Cameras, HDCCTV Cameras, HDCCTV Domes, Cameras, Domes, Software, Freeware, Encoders, Switches, Transmission, Recorders, Network/Hybrid Recorders, HDCCTV Recorders, Monitors, Lenses, Housings, Illumination, Pan&Tilt Systems, Accessories

PRODUCT SPECIFICATIONS FOR PLANNERS AND SYSTEM INTEGRATORS

SPEC BOOK

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◆ eneo

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eneo is the specialist in video surveillance and the partner for professional installers and dealers. With a comprehensive portfolio of products and service features, we are able to support you reliably and competently from installation to maintenance with our range of products.

eneo has been an established brand for closed circuit television for over ten years and is only available to professional installers and dealers. Our product portfolio is characterised by its extensive variety, outstanding price-performance ratio and certified quality. But eneo has far more to offer than just a comprehensive product range and attractive prices. Service features, supporting you in the best possible way with our range of products or in your questions regarding installation and start-up, as well as an expert team for maintenance, repair and manufacturing make eneo a brand worth using.

PRE AND POST-SALE ADVICE

Our product experts will provide you with comprehensive advice in your choice of suitable products and also after you have made your selection, in the event that you have any questions concerning the installation or start-up. We offer the option of Buy and Try for certain eneo products, so you can test the respective product as you please for up to 30 days in its place of use. If the product is not appropriate, you can return it without having to provide any explanation as to why. For further information please visit: www.eneo-security.com/en/buy_and_try

PRODUCT MODIFICATIONS – TAILORED TO YOUR NEEDS

We make everyday work easier for you with our services for product modifications and customised production. If everything is already correctly wired and the back focal distance is set, you just have to concentrate on installing the actual system. This not only saves time, but also money. Our range of services extends from part and complete assembly with enclosed installations to protect against the weather and customised models up to the production of small runs within the agreed time. For further information please visit: www.eneo-security.com/assembly

MAINTENANCE AND REPAIR - EXCELLENTLY EQUIPPED TECHNICAL SERVICE

We have everything necessary to reliably service or repair your equipment: the latest state of the art ESD compatible workstations, test signals in all the current signal formats, equipment installed externally for "real life" tests, separate intranet to check the network components. If you do not want to wait until the repair work is completed, you can use our exchange service with certain products for a temporary replacement whilst your equipment is being repaired. This service is free of charge during the warranty period. Beyond that our affordable flat rate service fee guarantees planning reliability even during repairs.

eneo – your partner in video surveillance

eneo pays off for you. A versatile product range, attractive prices and comprehensive service features make eneo the partner that professional installers and dealers in video surveillance can rely on.

Thus you know beforehand how much it will cost to repair your camera or recorder. For further information please visit: www.eneo-security.com/technical_service

ASSURED QUALITY – CERTIFIED IN ACCORDANCE WITH EN ISO 9001:2008

With us you get certified quality. We are not only certified in accordance with EN ISO 9001:2008, but we also assure the high quality of our products with our extensive tests and incoming goods inspections. In order to increase the comparability of the tests, all workstations are uniformly equipped. So product tests are always conducted under absolutely identical conditions. Deviations in the product quality are thus easier to discern.

Content

Highlights

NXC-1602M

1/2.8" Progressive scan CMOS sensor +++ Full HD (1080p) resolution 1920x1080 +++ Removeable infrared cut filter (ICR) +++ WDR Wide Dynamic Range +++ 3D-DNR powerful noise reduction +++ BLC & HSBLC (backlight compensation) +++ DIS Digital Image Stabilization +++ Simultaneous video data stream (H.264 & MJPEG) +++ Transfer rate H.264: 30ips. (1920x1080) +++ Bi-directional audio support +++ Alarm input & output, RS-485 interface +++ Local recording (SD-card), alarm notification

Art.: 200150 1/2.8" Network Camera, Full HD, Day&Night, H.264, WDR, 1920x1080, PoE, 12/24V, ONVIF
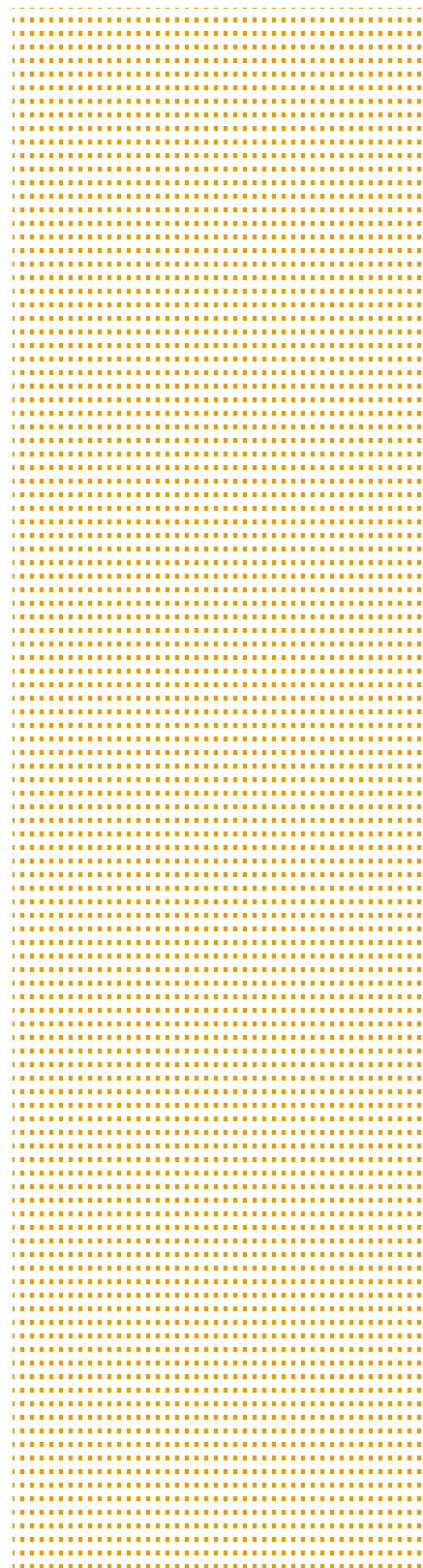
NXC-1404F03W

1/4" 2 megapixel CMOS sensor +++ Resolution of 1600 x 1200 (HD 720p) max. +++ Simultaneous video streaming (H.264/MJPEG) +++ Privacy zone masking +++ Integrated motion detection +++ E-PTZ function +++ PIR sensor and ilumination LED +++ Microphone and speaker +++ Easy and flexible installation +++ Local recording by Micro SD card +++ Power-over-Ethernet (PoE), Wifi function

Art.: 204288 1/4" Network Camera, H.264, 2DNR, 1600x1200, 3,6mm, 5VDC, PoE, ONVIF

HD RESOLUTION (720P)	NXC-1403F03 204284	NXC-1404F03W 204288
	Onvif NEW	Onvif NEW
System	colour	colour
Imager	1/4" CMOS	1/4" CMOS
Resolution	1600x1200 (4:3), 1280x1024 (5:4), 1280x720 (16:9), 800x600 (4:3), 704x576 (4:3), 640x480 (4:3), 352x288 (4:3), 352:240 (4:3), 320x240 (4:3)	1600x1200 (4:3), 1280x1024 (5:4), 1280x720 (16:9), 800x600 (4:3), 704x576 (4:3), 640x480 (4:3), 352x288 (4:3), 352:240 (4:3), 320x240 (4:3)
Compression standard	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	30 fps	30 fps
Light sensitivity	1 Lux	1 Lux
IR cut filter	standard	standard
Digital Noise Reduction (DNR)	yes	yes
Backlight compensation	BLC	BLC
Wide Dynamic Range (WDR)	no	no
Low speed shutter	no	no
Activity detection	yes	yes
Lens	fixed focal length 3,6 mm	fixed focal length 3,6 mm
Stream types	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	no	yes
Internal storage	microSD card	microSD card
ONVIF	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4
Temperature range (operation)	0°C ~ +50°C	0°C ~ +50°C
e-PTZ support	yes	yes
Serial interfaces	no	no
Alarm Inputs/Outputs	no	no
Supply voltage	5VDC, PoE	5VDC
SDK	upon request	upon request
Comments		W-LAN, white light LED, audio, microphone
Accessories	ZELARIS ELEMENTS 200803	ZELARIS ELEMENTS 200803

FULL HD (1080P) AND ABOVE	GXC-1720M 200497	GXC-1710M 200475	NXC-1602M 200150	NXC-1502M 93173
	Onvif	Onvif	Onvif	Onvif
System	day&night	day&night	day&night	day&night
Imager	1/2,8" CMOS	1/2,7" CMOS	1/2,8" CMOS	1/2,7" CMOS
Resolution	2048x1536 (4:3), 1600x1200 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3), 1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 176x120 (16:9)	1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 1440x1080 (4:3), 1280x960 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3)	1920x1080 (16:9), 1280x1024 (5:4), 1280x960 (4:3), 1152x864 (4:3), 1280x720 (16:9), 720x576 (4:3), 720x480 (4:3), 640x480 (4:3), 352x288 (4:3)	1920x1080 (16:9), 1280x1024 (5:4), 1280x720 (16:9), 704x576 (4:3), 704x480 (4:3), 640x480 (4:3), 352:240 (4:3)
Compression standard	H.264, MPEG-4, M-JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	25 fps	25 fps	30 fps	30 fps
Light sensitivity	0,2 Lux	0,2 Lux	0,15 Lux	0,09 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR	yes, 3D NR	yes, 2D NR
Backlight compensation	no	no	HS BLC (eclipser), BLC	HS BLC (eclipser)
Wide Dynamic Range (WDR)	WDR	no	WDR	no
Low speed shutter	no	no	yes	yes
Activity detection	yes	yes	yes	yes
Lens	CS mount/Lens not included	CS mount/Lens not included	CS mount/Lens not included	CS mount/Lens not included
Stream types	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4, MJPEG multiple (3 Streams)	3 streams H.264, 1 stream MJPEG multiple	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	yes	yes	yes	yes
Internal storage	SD card	SD card	SD card	microSD card
ONVIF	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4
Temperature range (operation)	0°C ~ +50°C	0°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
e-PTZ support	yes	yes	yes	yes
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	1/1	1/1	2/1	1/1
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
SDK	upon request	upon request	upon request	upon request
Accessories	WD-23 70771, F02Z2.8DC-NFSHD 43277, ZELARIS ELEMENTS 200803, VTL-300/WW-POEB 79705	WD-23 70771, F02Z2.8DC-NFSHD 43277, ZELARIS ELEMENTS 200803, VTL-300/WW-POEB 79705	WD-23 70771, F03Z2.6DC-NFSHR 43274, ZELARIS ELEMENTS 200803, VT-PS12DC-11 203658, VTL-300/WW-POEB 79705	WD-23 70771, F03Z2.6DC-NFSHR 43274, ZELARIS ELEMENTS 200803, VT-PS12DC-11 203658, VTL-300/WW-POEB 79705

Highlights

PXB-2080Z03IR

1/3" 2.0 megapixels progressive scan CMOS sensor +++ Resolution max. 1920 x 1080 (HD 1080p) +++ Optical 3x auto focus zoom, digital x32 zoom +++ 3~9mm day&night lens, removeable infrared cut filter +++ Simultaneous video data stream (H.264/MJPEG) +++ WDR (Wide Dynamic Range), 2&3DNR noise reduction +++ Integral motion detection +++ Audio and alarm inputs/outputs +++ Alarm recording (SD card) +++ ONVIF conformity / IP68 +++ Integral IR LED illumination (4 high power LEDs 855nm) +++ Thermostat switched cooling fan, window defrosting function +++ Easy installation (mounting aid), central locking screw

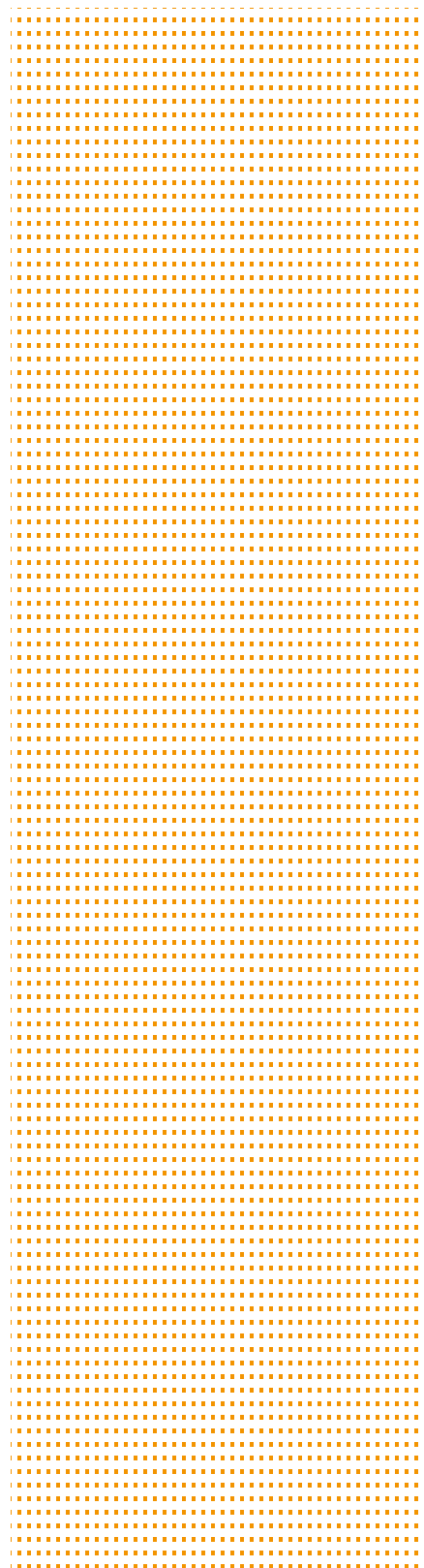**Art.: 204298** 1/3" Network Camera, IR-LED, Day&Night, H.264, 1920x1080, 3x Auto Focus Zoom, WDR, PoE

PXB-3080Z20IR

1/3" 2.0 megapixels progressive scan CMOS sensor +++ Resolution max. 1920 x 1080 (HD 1080p) +++ Optical 3x auto focus zoom, digital x32 zoom +++ 3~9mm day&night zoom lens, removeable infrared cut filter +++ Simultaneous video data stream (H.264/MJPEG) +++ WDR (Wide Dynamic Range), 2&3DNR noise reduction +++ Integral motion detection +++ Audio and alarm inputs/outputs +++ Alarm recording (SD card) +++ ONVIF conformity / IP68 +++ Integral IR LED illumination (4 high power LEDs 855nm) +++ Thermostat switched cooling fan, window defrosting function +++ Easy installation (mounting aid), central locking screw

Art.: 204299 1/3" Network Camera, Day&Night, IR-LED, H.264, 1920x1080, 20x Auto Focus Zoom, WDR, PoE

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HD RESOLUTION (720P)	PXB-2020MIR 200808	GXC-1606M/IR 92707
	Onvif	Onvif
System	day&night	day&night
Imager	1/3" CMOS	1/3" CMOS
Resolution	1280x720 (16:9), 640x352 (4:3), 320x176 (16:9), 160x96 (16:9)	1280x1024 (5:4), 1280x960 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 320x240 (4:3), 160x120 (4:3), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x180 (16:9), 176x120 (16:9)
Compression standard	H.264, M-JPEG	H.264, MPEG-4, M-JPEG
Image transmission rate max.	30 fps	25 fps
Light sensitivity	0,56 Lux	0,2 Lux
IR cut filter	switchable	switchable
Digital Noise Reduction (DNR)	yes, 3D NR	yes, 2D NR
Backlight compensation	BLC, HS BLC (eclipser)	no
Wide Dynamic Range (WDR)	D-WDR	WDR
Low speed shutter	yes	yes
Activity detection	yes	yes
Lens	varifocal 2,8-10 mm	varifocal 3,3-12 mm
Stream types	H.264, MJPEG multiple	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	yes	yes
Internal storage	SD card	microSD card
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 1.02.4
Temperature range (operation)	-40°C ~ +50°C	-40°C ~ +50°C
e-PTZ support	yes	yes
Serial interfaces	no	no
Alarm Inputs/Outputs	1/1	1/1
SDK	no	SDK incl. HTTP-API and ActiveX
Housing	outdoor, eneo Candid Medium	outdoor, eneo GX
Colour (housing)	Pantone 7541	RAL9003
Protection rating	IP68	IP66
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Accessories	PM-42A 202641, ZELARIS ELEMENTS 200803, AK-4 202888, VT-PS12DC-11 203658	ZELARIS ELEMENTS 200803

| FULL HD (1080P) AND ABOVE	GXB-1720MIR 200499	GXB-1710M/IR 200477	PXB-2080Z03 204298	PXB-2080MIR 200809
System	day&night	day&night	day&night	day&night
Imager	1/2,8" CMOS	1/2,7" CMOS	1/3" CMOS	1/3" CMOS
Resolution	2048x1536 (4:3), 1600x1200 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3), 1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 176x120 (16:9)	1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 1440x1080 (4:3), 1280x960 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3)	1920x1080 (16:9), 1280x720 (16:9), 640x352 (4:3), 320x176 (16:9), 160x96 (16:9)	1920x1080 (16:9), 1280x720 (16:9), 640x352 (4:3), 320x176 (16:9), 160x96 (16:9)
Compression standard	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	25 fps	25 fps	30 fps	30 fps
Light sensitivity	0,2 Lux	0,2 Lux	0,5 Lux	0,17 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR	yes, 2D NR, 3D NR	yes, 3D NR
Backlight compensation	no	no	BLC, HLC	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	WDR	no	WDR	D-WDR
Low speed shutter	no	no	yes	yes
Activity detection	yes	yes	yes	yes
Lens	varifocal 3-9 mm	varifocal 3-9 mm	3x auto focus zoom 3-9 mm	varifocal 2,8-10 mm
Stream types	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4 multiple (2 Streams)	H.264, MPEG-4 multiple (2 Streams)
Audio support	yes	yes	yes	yes
Internal storage	microSD card	microSD card	SD card	SD card
ONVIF	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12
Temperature range (operation)	-40°C ~ +50°C	-40°C ~ +50°C	-20°C ~ +50°C	-40°C ~ +50°C
e-PTZ support	yes	yes	yes	yes
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	1/1	1/1	1/1	1/1
SDK	SDK incl. HTTP-API and ActiveX	SDK incl. HTTP-API and ActiveX	no	no
Housing	outdoor, eneo GX	outdoor, eneo GX	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium
Colour (housing)	RAL9003	RAL9003	Pantone 7541	Pantone 7541
Protection rating	IP66	IP66	IP68	IP68
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE
Accessories	ZELARIS ELEMENTS 200803	ZELARIS ELEMENTS 200803	PM-42A 202641, ZELARIS ELEMENTS 200803, AK-4 202888, VT-PS12DC-11 203658	PM-42A 202641, ZELARIS ELEMENTS 200803, AK-4 202888, VT-PS12DC-11 203658

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FULL HD (1080P) AND ABOVE	PXB-3080Z20 204299

Onvif   NEW

System	day&night
Imager	1/3" CMOS
Resolution	1920x1080 (16:9), 1280x720 (16:9), 640x352 (4:3), 320x176 (16:9), 160x96 (16:9)
Compression standard	H.264, M-JPEG
Image transmission rate max.	30 fps
Light sensitivity	0,5 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR
Backlight compensation	BLC, HLC
Wide Dynamic Range (WDR)	WDR
Low speed shutter	yes
Activity detection	yes
Lens	20x auto focus zoom 4,7-94 mm
Stream types	H.264, MPEG-4 multiple (2 Streams)
Audio support	yes
Internal storage	SD card
ONVIF	yes, ONVIF Test Tool Version 11.12
Temperature range (operation)	-20°C ~ +50°C
e-PTZ support	yes
Serial interfaces	no
Alarm Inputs/Outputs	1/1
SDK	no
Housing	outdoor, eneo Candid Large
Colour (housing)	Pantone 7541
Protection rating	IP68
Supply voltage	12VDC, 24VAC, PoE
Accessories	PM-42A 202641, ZELARIS ELEMENTS 200803, AK-4 202888, VT-PS12DC-11 203658
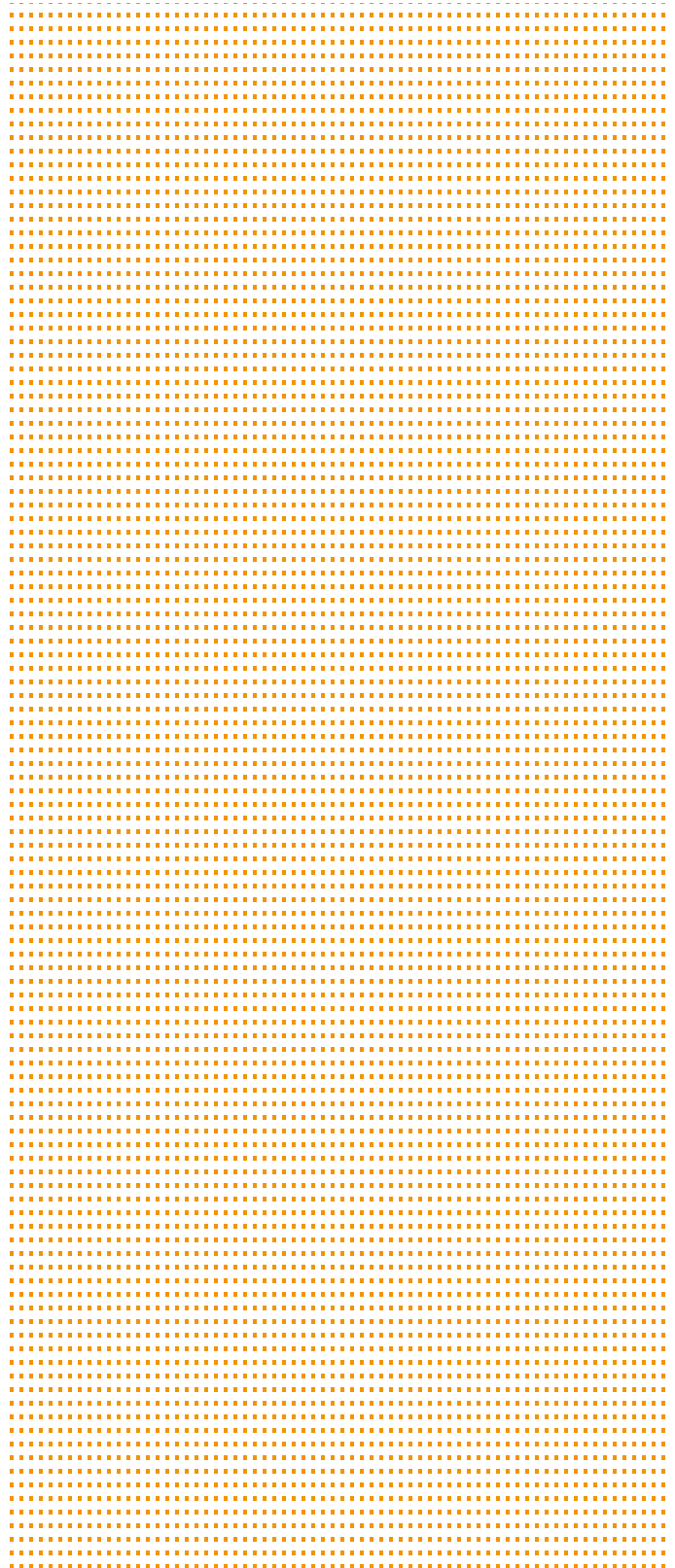
Highlights

PXD-2080MIR

1/3" 2.0 megapixels progressive scan CMOS sensor +++ Resolution max. 1920 x 1080 (HD 1080p) +++ Simultaneous video data stream (H.264/ MJPEG) +++ Removeable infrared cut filter (ICR) +++ E-WDR (Wide Dynamic Range) +++ Integral motion detection +++ Audio and alarm inputs/ outputs +++ Alarm recording (SD card) +++ ONVIF conformity / IP68 / IK10 +++ Dynamic (light) intensity control (DIC) +++ IR illumination by 30 integral 850nm LEDs +++ Surface or flush mounting with clear bubble

Art.: 200813 1/3" Network Dome, Fixed, Day&Night, H.264, 1920x1080, 3D-DNR, IR-LED, PoE, ONVIF

PXD-5360F01IR

360° 5 megapixels day&night IP camera, 1/2,5" CMOS sensor +++ 25 fps @ 1080p Full HD, 10fps @ 2592 x 1944 +++ 360-degree panorama view, EPTZ, quad view +++ True day&night mode with IR cut filter (ICR) +++ 6x integral IR LED illumination +++ Quad codec 3x H.264 plus 1x MJPEG stream +++ WDR (wide dynamic range) +++ 3DNR (digital noise reduction) +++ Alarm recording (Micro SD card) +++ Built in microphone +++ 802.3af compliant PoE standard

Art.: 204276 1/2,5" Network Camera, 360° Fisheye Lens, Day&Night, IR, H.264, 2592x1944, PoE

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SD RESOLUTION (4CIF)	NLD-1401 93161

Onvif

System	day&night
Imager	1/3" CCD
Resolution	704x576 (4:3), 640x480 (4:3), 320x240 (4:3), 704x288 (4:3), 352x288 (4:3), 176x144 (4:3), 160x120 (4:3)
Compression standard	H.264, M-JPEG, MPEG-4
Image transmission rate max.	25 fps
Light sensitivity	0,35 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes, 2D NR
Backlight compensation	BLC
Wide Dynamic Range (WDR)	D-WDR
Low speed shutter	yes
Activity detection	yes
Lens	varifocal 2,8-12 mm
Horizontal angle of view	81,2-22,6 °
Illumination	no
Stream types	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	yes
Internal storage	no
ONVIF	yes, ONVIF Test Tool Version 1.02.4
Alarm Inputs/Outputs	1/1
Supply voltage	12VDC, 24VAC, PoE
Vandalism resistant	yes
Housing	outdoor, eneo NL
Colour (housing)	Pantone Cool Gray 1C
Colour (bubble)	clear
Mounting	wall mount, ceiling mount
Temperature range (operation)	-10°C ~ +50°C
Protection rating	IP66
Comments	ROI (Region of Interest) max. 3, Easy focus
Accessories	DOME-WB2 203696, EDMC/H24 74104, EDMC/H12 74099, ZELARIS ELEMENTS 200803, VT-PS12DC-11 203658
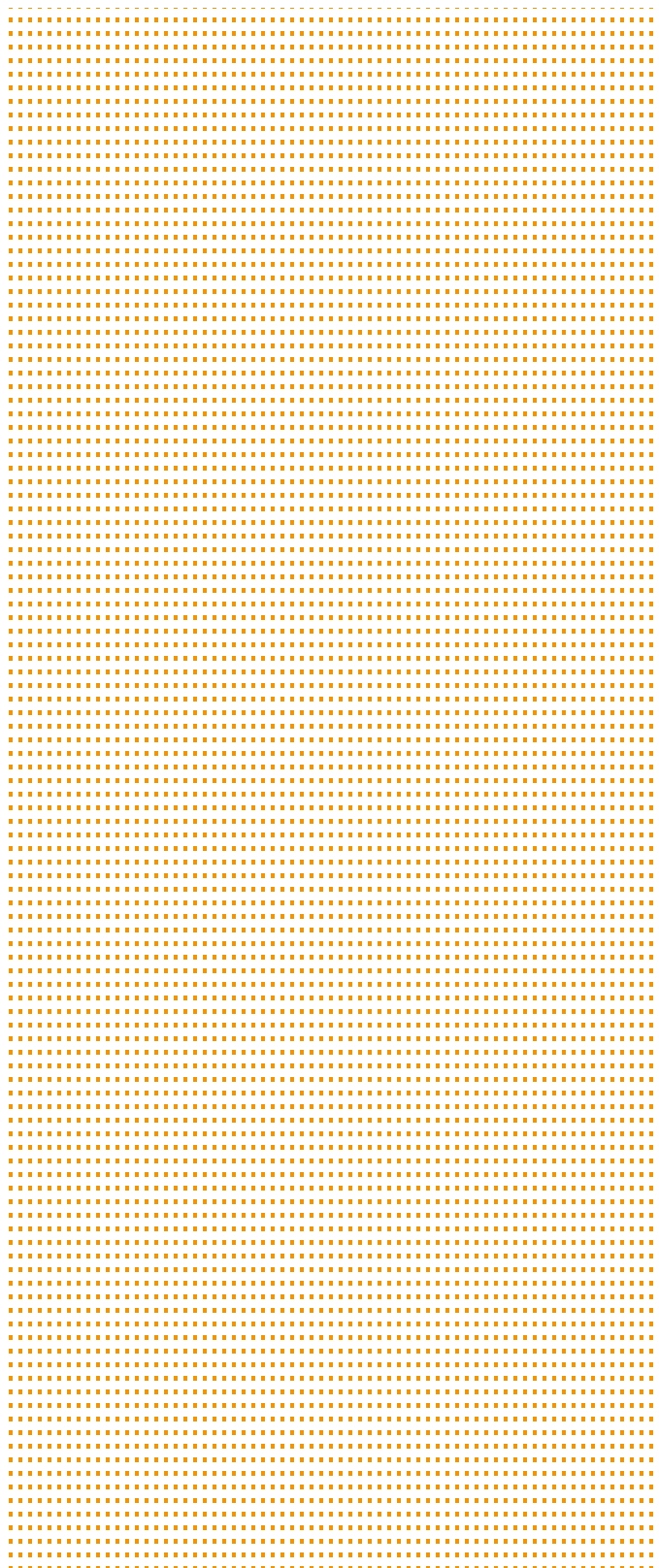
HD RESOLUTION (720P)	GXD-1610M/IR 92705
	ONVIF
System	day&night
Imager	1/3" CMOS
Resolution	1280x960, 1280x720 (HD 720), 800x600 (4:3), 480x360 (4:3), 176x144 (4:3)
Compression standard	H.264, MPEG-4, M-JPEG
Image transmission rate max.	25 fps
Light sensitivity	0,2 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes
Backlight compensation	no
Wide Dynamic Range (WDR)	WDR
Low speed shutter	yes
Activity detection	yes
Lens	varifocal 3,3-12 mm
Horizontal angle of view	72-22,6 °
Illumination	infrared
Stream types	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	yes
Internal storage	SD card
ONVIF	yes, ONVIF Test Tool Version 1.02.4
Alarm Inputs/Outputs	1/1
Supply voltage	12VDC, 24VAC, PoE
Vandalism resistant	yes
Housing	outdoor, eneo GX
Colour (housing)	RAL9003
Colour (bubble)	clear
Mounting	ceiling mount, wall mount
Temperature range (operation)	-40°C ~ +50°C
Protection rating	IP66
Accessories	VDOME/SM2 92765, VDOME/FM2 92766, VDOME/WB6 92767, VDOME/PM2 92768, VDOME/WB8 200536, ZELARIS ELEMENTS 200803
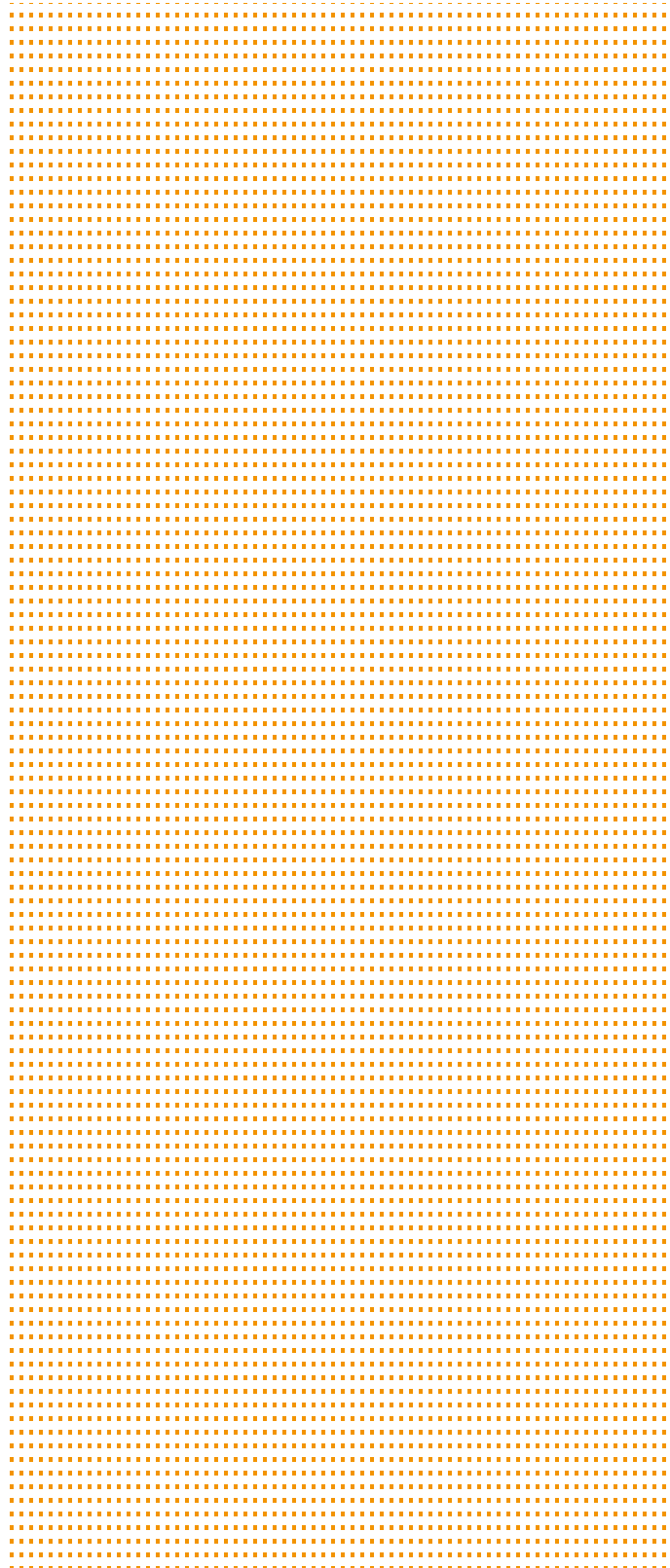
FULL HD (1080P) AND ABOVE	PXD-5360F01IR 204276	GXD-1720MIR 200498	GXD-1710M/IR 200476	PXD-2080MIR 200813
	ONVIF NEW	ONVIF	ONVIF	ONVIF NEW
System	day&night	day&night	day&night	day&night
Imager	1/2,5" CMOS	1/2,8" CMOS	1/2,7" CMOS	1/3" CMOS
Resolution	2592x1944 (4:3), 2048x1536 (4:3), 1920x1080 (16:9), 1280x1024 (5:4), 1280x720 (16:9), 1024x768 (4:3), 800x600 (4:3), 720x576 (4:3), 640x480 (4:3), 352x288 (4:3)	2048x1536 (4:3), 1600x1200 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3), 1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 176x120 (16:9)	1920x1080 (16:9), 1280x720 (16:9), 800x450 (16:9), 640x360 (16:9), 480x270 (16:9), 320x176 (16:9), 176x144 (16:9), 1440x1080 (4:3), 1280x960 (4:3), 1024x768 (4:3), 800x600 (4:3), 640x480 (4:3), 480x360 (4:3), 320x240 (4:3), 176x144 (4:3)	1920x1080 (16:9), 1280x720 (16:9), 640x352 (4:3), 320x176 (16:9), 160x96 (16:9)
Compression standard	H.264, M-JPEG	H.264, MPEG-4, JPEG	H.264, M-JPEG, MPEG-4	H.264, M-JPEG
Image transmission rate max.	25 fps	25 fps	25 fps	30 fps
Light sensitivity	n/a	0,2 Lux	0,2 Lux	0,17 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 3D NR	yes, 2D NR	yes, 2D NR	yes, 3D NR
Backlight compensation	BLC	no	no	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	WDR	WDR	no	D-WDR
Low speed shutter	yes	no	no	yes
Activity detection	yes	yes	yes	yes
Lens	fisheye 1,05 mm	varifocal 3-9 mm	varifocal 3-9 mm	varifocal 2,8-10 mm
Horizontal angle of view	180 °	75-28 °	77,4-29,8 °	81,2-27 °
Illumination	infrared	infrared	infrared	infrared
Stream types	3 streams H.264, 1 stream MJPEG multiple	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4, MJPEG multiple (3 Streams)	H.264, MPEG-4 multiple (2 Streams)
Audio support	yes	yes	yes	yes
Internal storage	microSD card	SD card	SD card	SD card
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 11.12
Alarm Inputs/Outputs	1/1	2/1	2	1
Supply voltage	PoE	PoE, 12VDC, 24VAC	PoE, 12VDC, 24VAC	12VDC, 24VAC, PoE
Vandalism resistant	no	yes	yes	yes
Housing	indoor, eneo PXD	outdoor, eneo GX	outdoor, eneo GX	outdoor, eneo Callisto
Colour (housing)	RAL9003	Pantone Warm Gray 1C	RAL9003	Pantone 7541
Colour (bubble)	-	clear	clear	clear
Mounting	wall mount, ceiling mount	ceiling mount, wall mount	ceiling mount, wall mount	wall mount, ceiling mount, flush mount
Temperature range (operation)	-10°C ~ +50°C	-40°C ~ +50°C	-40°C ~ +50°C	-40°C ~ +50°C
Protection rating	n/a	IP66	IP66	IP68
Accessories	ZELARIS ELEMENTS 200803	VDOME/SM2 92765, VDOME/WB6 92767, VDOME/FM2 92766, VDOME/PM2 92768, ZELARIS ELEMENTS 200803, VDOME/WB8 200536	VDOME/SM2 92765, VDOME/WB6 92767, VDOME/FM2 92766, VDOME/PM2 92768, VDOME/WB8 200536, ZELARIS ELEMENTS 200803	ZELARIS ELEMENTS 200803, DOME-WB1 202642, PM-42A 202641

	NXD-1502M 93174	NXD-1602M 200152	PXD-1020F02 203616	PXD-1010F02 203614
	ONVIF	ONVIF	ONVIF NEW	ONVIF NEW
System	day&night	day&night	day&night	day&night
Imager	1/2,7" CMOS	1/2,8" CMOS	1/2,7" CMOS	1/2,7" CMOS
Resolution	1920x1080 (16:9), 1280x1024 (5:4), 1280x960 (4:3), 704x576 (4:3), 704x480 (4.3), 640x480 (4:3), 352:240 (4:3)	1920x1080 (16:9), 1280x1024 (5:4), 1280x960 (4:3), 1152x864 (4:3), 1280x720 (16:9), 720x576 (4:3), 720x480 (4:3), 640x480 (4:3), 352x288 (4:3), 320x240 (4:3)	1920x1080 (16:9), 1280x1024 (5:4), 1280x720 (16:9), 1024x768 (4:3), 800x600 (4:3), 720x576 (4:3), 640x480 (4:3), 352x288 (4:3)	1920x1080 (16:9), 1280x1024 (5:4), 1280x720 (16:9), 1024x768 (4:3), 800x600 (4:3), 720x576 (4:3), 640x480 (4:3), 352x288 (4:3)
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	30 fps	30 fps	25 fps	25 fps
Light sensitivity	0,9 Lux	0,15 Lux	0,1 Lux	0,1 Lux
IR cut filter	switchable	switchable	standard	standard
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 3D NR	yes, 2D NR	yes, 2D NR
Backlight compensation	BLC	HS BLC (eclipser)	BLC	BLC
Wide Dynamic Range (WDR)	no	WDR	WDR	WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Lens	varifocal 3-9 mm	varifocal 3-9 mm	fixed focal length 2,8 mm	fixed focal length 2,8 mm
Horizontal angle of view	75-28 °	75-28 °	91-3 °	91-3 °
Illumination	no	no	no	no
Stream types	MJPEG and H.264 (or MPEG-4) simultan	3 streams H.264, 1 stream MJPEG multiple	3 streams H.264, 1 stream MJPEG multiple	3 streams H.264, 1 stream MJPEG multiple
Audio support	yes	yes	no	yes
Internal storage	microSD card	microSD card	microSD card	microSD card
ONVIF	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 1.02.4	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12
Alarm Inputs/Outputs	1/1	1/1	no/no	no/no
Supply voltage	12VDC, 24VAC, PoE	12VDC, 24VAC, PoE	PoE	PoE
Vandalism resistant	yes	yes	no	no
Housing	outdoor, eneo NX	outdoor, eneo NX	outdoor, eneo PXD	indoor, eneo PXD
Colour (housing)	Pantone Cool Gray 1C	Pantone Cool Gray 1C	RAL9003	RAL9003
Colour (bubble)	clear	clear	clear	clear
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Protection rating	IP66	IP66	IP66	n/a
Accessories	EDMC/H24 74104, EDMC/H12 74099, DOME-WB2 203696, ZELARIS ELEMENTS 200803, VT-PS12DC-11 203658	EDMC/H24 74104, EDMC/H12 74099, DOME-WB2 203696, ZELARIS ELEMENTS 200803, VT-PS12DC-11 203658	ZELARIS ELEMENTS 200803	ZELARIS ELEMENTS 200803

Highlights

PXD-2018PTZ1080

1/2.8" network PTZ dome with Sony progressive scan CMOS +++ 18x autofocus lens 4.7-84,6mm/12x digital zoom +++ Full HD 1920x1080 pixels, real time +++ Compression H.264/MJPEG +++ Digital noise reduction(2D-DNR) +++ High- und low speed shutter control(sens-up) +++ WDR (wide dynamic range) +++ Motion detection, privacy zones, +++ Bi-directional audio +++ Vandal-resistant housing, clear bubble +++ Extended temperature range -40℃ to +50℃ +++ ONVIF conformity

Art.: 200824 1/2.8" Network Dome, PTZ, Day&Night, 18x, 4.7-84.6mm 1920x1080, 24VAC, Outdoor

PLD-2036PTZ

1/4" network PTZ some with Sony CCD +++ 36x autofocus lens 3.4-122.4mm/12x digital zoom +++ D1 720x576 pixels, real time +++ Compressions H.264/MJPEG +++ Digital noise reduction (2D/3D-DNR) +++ High- and low speed shutter control (sens-up) +++ WDR (wide dynamic range) +++ Motion detection, privacy zones +++ Bi-directional audio +++ Vandal-resistant housing, clear bubble +++ Extended temperature range -40℃ to +50℃ +++ ONVIF conformity

Art.: 200823 1/4" Network Dome, PTZ, 36x, Day&Night, 3.4-122.4mm, 720x576, 24VAC, Outdoor

	PXD-2018PTZ1080 200824	PLD-2012PTZ 200822	PLD-2036PTZ 200823	NLD-1422 74226
	Onvif	Onvif	Onvif	Onvif
System	day&night	day&night	day&night	day&night
Imager	1/2,8" CMOS	1/4" CCD	1/4" CCD	1/4" CCD
Resolution	1920x1080 (16:9), 1280x 1024 (5:4), 1280x720 (16:9), 1024x768 (4:3), 800x600 (4:3), 720x576 (4:3), 640x480 (4:3), 352x288 (4:3)	720x576 (4:3)	720x576 (4:3)	704x576 (4:3), 704x288 (4:3), 352x288 (4:3), 176x144 (4:3)
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, MPEG-4, JPEG
Image transmission rate max.	25 fps	25 fps	25 fps	25 fps
Light sensitivity	0,1 Lux	0,1 Lux	0,1 Lux	0,33 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC	BLC	BLC	BLC
Wide Dynamic Range (WDR)	WDR	WDR	WDR	WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Lens	18x auto focus zoom 4,7-84,6 mm	12x auto focus zoom 3,8-45,6 mm	36x auto focus zoom 3,4-122,4 mm	22x auto focus zoom 3,9-85,8 mm
Horizontal angle of view	54,2-3,2 °	45,6-4 °	50,4-1,4 °	6,5-60,0 °
Rotation range	360 °	360 °	360 °	360 °
Stream types	3 streams H.264, 1 stream MJPEG multiple	H.264, MJPEG multiple	H.264, MJPEG multiple	H.264, MPEG-4, MJPEG multiple (3 Streams)
Audio support	yes	yes	yes	yes
Internal storage	microSD card	microSD card	microSD card	no
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 1.02.4
Alarm Inputs/Outputs	4/2x Relais contacts	4/1	4/1	1/1
Speed (manual control)	80 °/s.	80 °/s.	80 °/s.	200 °/s.
Presets	256 presets	256 presets	256 presets	120 presets
Patterns	8 pattern	8 pattern	8 pattern	4 pattern
Home position	included (with multiple park actions)	included (with multiple park actions)	included (with multiple park actions)	included (with multiple park actions)
Tours	up to 8 user programmable guard tours	up to 8 user programmable guard tours	up to 8 user programmable guard tours	up to 4 user programmable guard tours
Housing	outdoor, eneo PXD	outdoor, eneo PLD	outdoor, eneo PLD	outdoor, eneo NL
Colour (housing/bubble)	RAL9003/clear	RAL9003/clear	RAL9003/clear	Pantone Warm Gray 1C/clear
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Supply voltage	24VAC	24VAC	24VAC	12VDC
Temperature range (operation)	-40°C ~ +50°C	-30°C ~ +45°C	-40°C ~ +50°C	-20°C ~ +50°C
Protection rating	IP66	IP66	IP66	IP66
Vandalism resistant	yes	yes	yes	yes
Accessories	NE-135 200828, PLD-WMB1 200825, PLD-CMA1 200830, PLD-CMT1 200827, ZELARIS ELEMENTS 200803	NE-135 200828, PLD-WMB2 200826, PLD-CMA2 200831, PLD-CMT1 200827, ZELARIS ELEMENTS 200803	NE-135 200828, PLD-WMB1 200825, PLD-CMA1 200830, PLD-CMT1 200827, ZELARIS ELEMENTS 200803	VT-PS12DC-10 70543, ZELARIS ELEMENTS 200803, DOME-WB2 203696

Highlights

PTB-1008F09

Thermal camera with Ethernet and composite video out +++ Resolution 160x120 pixels, 8,3 Hz +++ 9mm lens (25° FoV) +++ Easy handling, USB and RS-422 remote interface available +++ Exclusive design for indoor and outdoor applications IP67 +++ Detection range person up to approx. 205m +++ Detection range vehicle up to approx. 590m +++ Compression standards: H.264/MJPEG +++ Bullet housing for ceiling and wall mounting, covered cabling +++ Flexible power supply 12VDC, 24VAC or PoE +++ 3 years eneo warranty

Art.: 204414 Thermal Imaging Camera 160x120, 8,3 Hz, USB, Analogue, 9mm, I2/24V, PoE

PTB-1208F35

Thermal camera with Ethernet and composite video out +++ Resolution 640x480 pixels, 8,3 Hz +++ 35mm lens (14° FoV) +++ Easy handling, USB and RS-422 remote interface available +++ Exclusive design for indoor and outdoor applications IP67 +++ Detection range person up to approx. 1540m +++ Detection range vehicle up to approx. 4050m +++ Compression standards: H.264/MJPEG +++ Bullet housing for ceiling and wall mounting, covered cabling +++ Flexible power supply 12VDC, 24VAC or PoE +++ 3 years eneo warranty

Art.: 204422 Thermal Imaging Camera 640x480, 8,3Hz, USB, Analogue, 35mm, 12/24V, PoE

	PTB-1008F05 204413	PTB-1008F09 204414	PTB-1008F13 204415	PTB-1008F19 204416
	ONVIF NEW	ONVIF NEW	ONVIF NEW	ONVIF NEW
Resolution pixels	160x120	160x120	160x120	160x120
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	8,3 fps	8,3 fps	8,3 fps	8,3 fps
Spectral area	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm
Horizontal angle of view	35 °	20 °	14 °	10 °
Geometrical Resolution (IFOV) [#2]	2778 mrad	2778 mrad	1923 mrad	1316 mrad
Termal sensitivity	50 mK	50 mK	50 mK	50 mK
Activity detection	yes	yes	yes	yes
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Focal length	5 mm	9 mm	13 mm	19 mm
Detection range	330m	590m	1240m	2095m
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Serial interfaces	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet
Alarm inputs	no	no	no	no
Audio support	no	no	no	no
Activity detection	yes	yes	yes	yes
Housing	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium
Housing material	aluminium	aluminium	aluminium	aluminium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Supply voltage	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)
Power over Ethernet	yes	yes	yes	yes
Power consumption	12W	12W	12W	12W
Temperature range (operation)	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C
Vandalism resistant	no	no	no	no
Protection rating	IP67	IP67	IP67	IP67
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12

Further models available.
Thermal cameras featuring frame rates higher than 9fps may be subject to export control regulations.

	PTB-1108F075 204417	PTB-1108F09 204418	PTB-1108F13 204419	PTB-1108F19 204420
	ONVIF NEW	ONVIF NEW	ONVIF NEW	ONVIF NEW
Resolution pixels	336x256	336x256	336x256	336x256
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	8,3 fps	8,3 fps	8,3 fps	8,3 fps
Spectral area	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm
Horizontal angle of view	35 °	27 °	19 °	13 °
Geometrical Resolution (IFOV) [#2]	2267 mrad	2778 mrad	1923 mrad	1316 mrad
Termal sensitivity	50 mK	50 mK	50 mK	50 mK
Activity detection	yes	yes	yes	yes
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Focal length	7,5 mm	9 mm	13 mm	19 mm
Detection range	570m	975m	1450m	2095m
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Serial interfaces	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet
Alarm inputs	no	no	no	no
Audio support	no	no	no	no
Activity detection	yes	yes	yes	yes
Housing	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium
Housing material	aluminium	aluminium	aluminium	aluminium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Supply voltage	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)
Power over Ethernet	yes	yes	yes	yes
Power consumption	12W	12W	12W	12W
Temperature range (operation)	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C
Vandalism resistant	no	no	no	no
Protection rating	IP67	IP67	IP67	IP67
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12

	PTB-1108F25 204421	PTB-1108F35 204422	PTB-1208F075 204423	PTB-1208F09 204424
	ONVIF NEW	ONVIF NEW	ONVIF NEW	ONVIF NEW
Resolution pixels	336x256	336x256	640x480	640x480
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	8,3 fps	8,3 fps	8,3 fps	8,3 fps
Spectral area	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm
Horizontal angle of view	10 °	7,1 °	69 °	56 °
Geometrical Resolution (IFOV) [#2]	1000 mrad	714 mrad	2267 mrad	2778 mrad
Termal sensitivity	50 mK	50 mK	50 mK	50 mK
Activity detection	yes	yes	yes	yes
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Focal length	25 mm	35 mm	7,5 mm	9 mm
Detection range	2970m	4050m	730m	975m
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Serial interfaces	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet
Alarm inputs	no	no	no	no
Audio support	no	no	no	no
Activity detection	yes	yes	yes	yes
Housing	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium
Housing material	aluminium	aluminium	aluminium	aluminium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Supply voltage	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)
Power over Ethernet	yes	yes	yes	yes
Power consumption	12W	12W	12W	12W
Temperature range (operation)	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C
Vandalism resistant	no	no	no	no
Protection rating	IP67	IP67	IP67	IP67
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12

Further models available.
Thermal cameras featuring frame rates higher than 9fps may be subject to export control regulations.

	PTB-1208F13 204425	PTB-1208F19 204426	PTB-1208F25 204427	PTB-1208F35 204428
	ONVIF NEW	ONVIF NEW	ONVIF NEW	ONVIF NEW
Resolution pixels	640x480	640x480	640x480	640x480
Compression standard	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG	H.264, M-JPEG
Image transmission rate max.	8,3 fps	8,3 fps	8,3 fps	8,3 fps
Spectral area	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm	7,5-13,5 µm
Horizontal angle of view	37 °	26 °	20 °	14 °
Geometrical Resolution (IFOV) [#2]	1923 mrad	1316 mrad	1000 mrad	714 mrad
Termal sensitivity	50 mK	50 mK	50 mK	50 mK
Activity detection	yes	yes	yes	yes
Lens type	fixed focal length	fixed focal length	fixed focal length	fixed focal length
Focal length	13 mm	19 mm	25 mm	35 mm
Detection range	1450m	2095m	2970m	4050m
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Serial interfaces	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet	RS-422, USB, Ethernet
Alarm inputs	no	no	no	no
Audio support	no	no	no	no
Activity detection	yes	yes	yes	yes
Housing	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium
Housing material	aluminium	aluminium	aluminium	aluminium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Supply voltage	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)	12VDC, 24VAC, PoE (IEEE-802.3af)
Power over Ethernet	yes	yes	yes	yes
Power consumption	12W	12W	12W	12W
Temperature range (operation)	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C	-35°C ~ +50°C
Vandalism resistant	no	no	no	no
Protection rating	IP67	IP67	IP67	IP67
ONVIF	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12	yes, ONVIF Test Tool Version 11.12

Highlights

HDB-3080Z20IR

1/3" 2.0 megapixels progressive scan CMOS sensor +++ Resolution max. 1920 x 1080 (HD 1080p) +++ 1.5G HD-SDI video transmission via coax cable +++ Optical 20x auto focus zoom, digital x32 zoom +++ 4,7~94mm day&night lens, removeable infrared cut filter +++ WDR (wide dynamic range), 2&3DNR noise reduction +++ Integral motion detection +++ Audio and alarm inputs/outputs +++ IP68, window defrosting function +++ Integral IR LED illumination (6 high power LEDs 855nm) +++ Easy installation (mounting aid), central locking screw

Art.: 204296 1/3" HD-SDI Camera, Day&Night, 1920x1080, WDR, IR-LED 20x Auto Focus Zoom,12VDC/24AC

HDB-2080Z03IR

1/3" 2.0 megapixels progressive scan CMOS sensor +++ Resolution max. 1920 x 1080 (HD 1080p) +++ 1.5G HD-SDI video transmission via coax cable +++ Optical 3x auto focus zoom, digital x32 zoom +++ 3~9mm day&night zoom lens, removeable infrared cut filter +++ WDR (wide dynamic range), 2&3DNR noise reduction +++ Integral motion detection +++ Audio and alarm inputs/outputs +++ IP68, window defrosting function +++ Integral IR LED illumination (4 high power LEDs 855nm) +++ Easy installation (mounting aid), central locking screw

Art.: 204297 1/3" HD-SDI Camera, Day&Night, 1920x1080, WDR, IR-LED, 3x Auto Focus Zoom,12VDC/24AC

	HDC-1004M1080 204274	HDC-2220M1080 202435	HDC-2100M1080 200838
	NEW	NEW	
System	colour	day&night	day&night
Imager	1/3" CMOS	1/3" CMOS	1/2,8" CMOS
Resolution	1920x1080 (16:9), 1280x720 (16:9)	1920x1080 (16:9), 1280x720 (16:9)	1920x1080 (16:9)
Light sensitivity	0,5 Lux	1,0 Lux	0,3 Lux
IR cut filter	standard	switchable	switchable
Digital Noise Reduction (DNR)	yes, 3D NR	yes, 2D & 3D	yes, 3D NR
Backlight compensation	BLC	BLC, HLC	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	WDR, D-WDR	WDR	yes
Low speed shutter	yes	yes	yes
Activity detection	yes	yes	yes
Digital zoom	yes	2x ~ 32x	10x
Video outputs	HD-SDI (BNC) SMPTE 292M standard, FBAS control out	HD-SDI, CVBS, HD-SDI (BNC) SMPTE 292M standard	HD-SDI (BNC) SMPTE 292M standard, 1x composite (CVBS)
Lens	3,6 mm	zoom 4,7-94 mm	CS/C mount/lens not included
Horizontal angle of view	n/a	54,2-3 °	n/a
Temperature range (operation)	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
Vandalism resistant	no	no	no
e-PTZ support	no	no	yes
Illumination	no	no	no
Serial interfaces	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/1x TTL open collector output	yes/16x TTL, open collector (terminal block)
Supply voltage	12VDC	12VDC	12VDC, 24VAC
Housing	indoor, eneo HDcctv	indoor, eneo HDcctv	boxed, eneo HDcctv
Colour (housing)	black	silver, black	silver, black
Protection rating	n/a	n/a	n/a
Zubehör	VT-PS12DC-11 203658, HDA-1001E 200818, HDA-1004D 200817, HDA-1002EC 200836, HDA-1010TRE 204246, HDA-1020TRB 204247	WD-23 70771, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247	WD-23 70771, VTL-WWD 79644, F02Z2.8DC-NFSHD 43277, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247

|	HDB-2000MIR1080 200811	HDB-2080Z03IR 204297	HDB-3080Z20IR 204296	HDB-2000MIR720 200810
System	day&night	day&night	day&night	day&night
Imager	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Resolution	1920x1080 (16:9), 1280x720 (16:9)	1920x1080 (16:9), 1280x720 (16:9)	1920x1080 (16:9), 1280x720 (16:9)	1280x720 (16:9)
Light sensitivity	0,17 Lux	0,5 Lux	0,5 Lux	0,56 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC, HS BLC (eclipser)	BLC, HLC	BLC, HLC	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	D-WDR	WDR	WDR	D-WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Digital zoom	2 ~ 64x	2x ~ 32x	2x ~ 32x	2 ~ 64x
Video outputs	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard
Lens	varifocal 2,8-10 mm	3x auto focus zoom 3-9 mm	20x auto focus zoom 4,7-94 mm	varifocal 2,8-10 mm
Horizontal angle of view	81,2-27 °	71,57-27,02 °	54,2-3 °	81,2-27 °
Temperature range (operation)	-50℃ ~ +50℃	-20℃ ~ +50℃	-20℃ ~ +50℃	-50℃ ~ +50℃
Vandalism resistant	no	no	no	no
e-PTZ support	no	no	no	no
Illumination	infrared	infrared	infrared	infrared
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Housing	outdoor, eneo Candid Medium	outdoor, eneo Candid Medium	outdoor, eneo Candid Large	outdoor, eneo Candid Medium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Protection rating	IP68	IP68	IP68	IP68
Zubehör	NE-132/AC24V 70527, PM-42A 202641, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, AK-4 202888, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247	NE-132/AC24V 70527, PM-42A 202641, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, AK-4 202888, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247	NE-132/AC24V 70527, PM-42A 202641, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, AK-4 202888, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247	NE-132/AC24V 70527, PM-42A 202641, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, AK-4 202888, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247

	HDD-2000MIR1080 200812	HDD-2110M1080 200840	HDD-2000MIR720 200837
System	day&night	day&night	day&night
Imager	1/3" CMOS	1/3" CMOS	1/3" CMOS
Resolution	1920x1080 (16:9), 1280x720 (16:9)	1920x1080 (16:9), 1280x720 (16:9)	1280x720 (16:9)
Light sensitivity	0,17 Lux	1 Lux	0,56 Lux
IR cut filter	switchable	standard	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC, HS BLC (eclipser)	BLC	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	D-WDR	yes	D-WDR
Low speed shutter	yes	yes	yes
Activity detection	yes	yes	yes
Digital zoom	2 ~ 64x	2x ~ 32x	2 ~ 64x
Video outputs	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard	HD-SDI (BNC) SMPTE 292M standard, FBAS control out	HD-SDI, FBAS control out, HD-SDI (BNC) SMPTE 292M standard
Lens	varifocal 2,8-10 mm	fixed focal length 3 mm	varifocal 2,8-10 mm
Horizontal angle of view	81,2-27 °	77,4 °	81,2-27 °
Temperature range (operation)	-50℃ ~ +50℃	-10℃ ~ +50℃	-50℃ ~ +50℃
Vandalism resistant	yes	yes	yes
e-PTZ support	yes	yes	yes
Illumination	infrared	no	infrared
Serial interfaces	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/1	no/no
Supply voltage	12VDC, 24VAC	12VDC	12VDC, 24VAC
Housing	outdoor, dome, eneo Callisto	outdoor, eneo HDcctv	outdoor, dome, eneo Callisto
Colour (housing)	Pantone 7541	Pantone Warm Gray 1C	Pantone 7541
Colour (bubble)	clear	clear	clear
Mounting	wall mount, ceiling mount, flush mount	wall mount, ceiling mount	wall mount, ceiling mount, flush mount
Protection rating	IP68	IP66	IP68
Zubehör	DOME-WB1 202642, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247	VT-PS12DC-11 203658, HDA-1001E 200818, HDA-1004D 200817, HDA-1002EC 200836, HDA-1010TRE 204246, HDA-1020TRB 204247	DOME-WB1 202642, HDA-1004D 200817, HDA-1001E 200818, HDA-1002EC 200836, VT-PS12DC-11 203658, HDA-1010TRE 204246, HDA-1020TRB 204247

	HDD-2018PTZ1080 202149
	NEW
System	day&night
Imager	1/2,8" CMOS
Resolution	1920x1080 (16:9), 1280x720 (16:9)
Light sensitivity	0,1 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes, 2D NR
Backlight compensation	BLC
Wide Dynamic Range (WDR)	WDR
Low speed shutter	no
Activity detection	no
Digital zoom	8x
Video outputs	HD-SDI (BNC) SMPTE 292M standard
Lens	18x auto focus zoom 4,7-84,6 mm
Horizontal angle of view	54,2-3,2 °
Temperature range (operation)	-40°C ~ +50°C
Vandalism resistant	yes
e-PTZ support	no
Illumination	no
Serial interfaces	RS-485
Alarm Inputs/Outputs	4/2 (NO/NC)
Supply voltage	24VAC
Housing	outdoor, eneo HDcctv
Colour (housing)	RAL9003
Colour (bubble)	clear
Mounting	Wall and ceiling mounting only in conjunction with related accessories, (not supplied)
Protection rating	IP66
Zubehör	NE-135 200828, KBD-2 74149, PLD-WMB1 200825, PLD-CMA1 200830, PLD-CMT1 200827
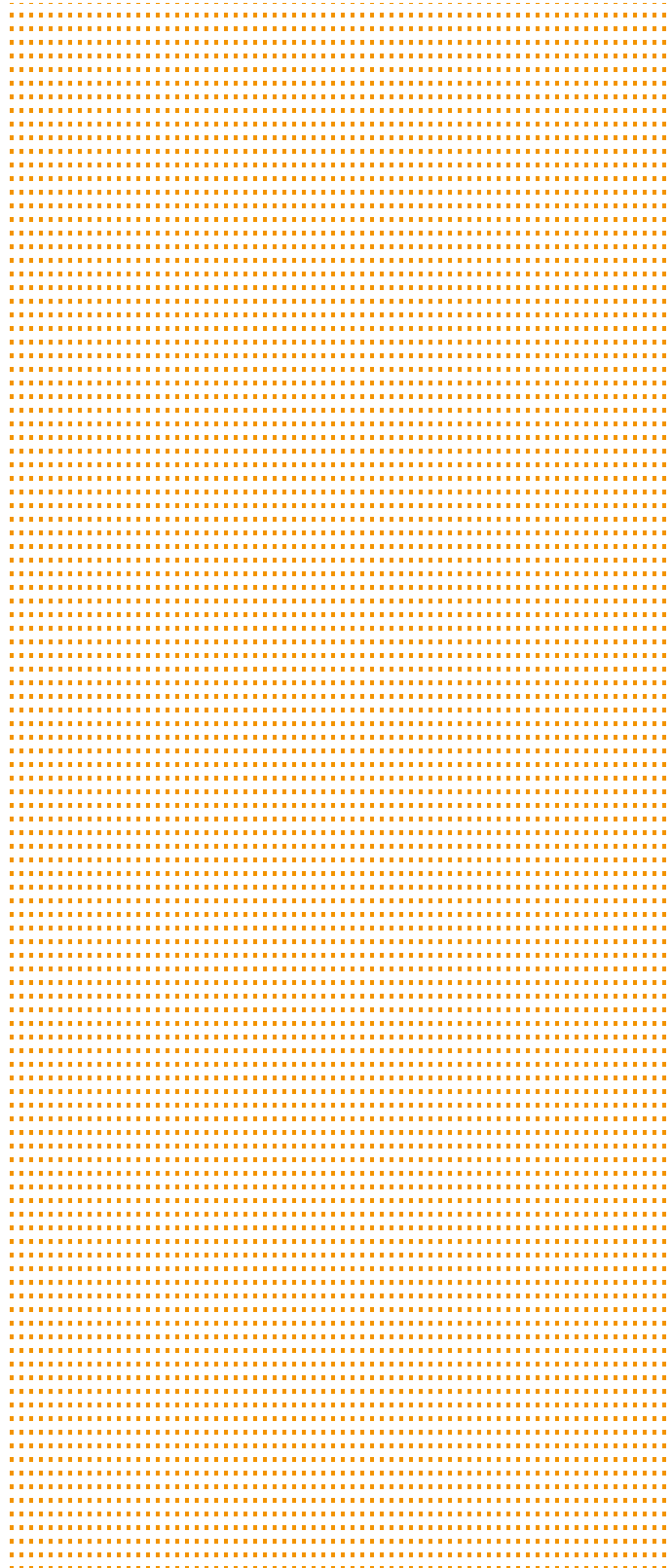
Highlights

VKC-1394/12-24

1/3" Super HAD II CCD Effio P +++ Colour/b&w selection +++ Digital noise reduction (DNR) +++ WDR (wide dynamic range) +++ Switchable automatic gain control (AGC) +++ High speed shutter control (ESC/MES) +++ Adjustable backlight compensation +++ Automatic white balance (AWB) +++ Privacy masking/mirror function/motion detection +++ Extensive analytics functions +++ Supply voltage: 12VDC or 24VAC

Art.: 202394 1/3" Camera, Day&Night, WDR, 2D- & 3D-DNR, PVA, DSS, DIS, 700 TVL, RS-485, 12VDC/24VAC

VKC-1424-36

Hi-res day&night camera with double scan CCD +++ 36x autofocus lens / 32x digital zoom +++ True day&night mode with IR cut filter +++ WDR (wide dynamic range) +++ Powerful digital noise reduction (2D/3D DNR) +++ Motion detection (MD) +++ High and low speed shutter control +++ Digital effects: H/V reverse, 180° rotate, freeze +++ Privacy masking +++ On-screen menu control (OSD) +++ RS-485 serial interface (Pelco P & D)

Art.: 92718 1/4" Camera, Day&Night, WDR, BLC, 36x Zoom, 3.4-122.4mm, 650TVL, 12VDC

SD 540-600TVL	VKC-1376/12-24 92569	VKC-1376 92572	VKC-1353-1/IR 92702	VKC-1425 92769
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	600 TVL	600 TVL	600 TVL	580 TVL
Light sensitivity	0,1 Lux	0,1 Lux	0,1 Lux	0,24 Lux
IR cut filter	standard	standard	switchable	switchable
Digital Noise Reduction (DNR)	yes, adjustable: Max / Mid / Min, ON/OFF switchable	yes, adjustable: Max / Mid / Min, ON/OFF switchable	yes	yes, ON, OFF, low, middle, high
Backlight compensation	BLC	BLC	SBLC	BLC
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	yes
Activity detection	yes	yes	yes	yes
Digital zoom	no	no	no	2x ~ 10x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	CS mount/lens not included	CS mount/lens not included	varifocal 3,8-9,5 mm	23x auto focus zoom 3,6-82,8 mm
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +40°C	-10°C ~ +50°C
Vandalism resistant	no	no	no	no
Illumination	no	no	infrared	no
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/no	no/1	no/1
Supply voltage	12VDC, 24VAC	100~240VAC	12VDC, 24VAC	12VDC
Accessories	WD-23 70771, F03Z2.6DC-NFSHR 43274, VTL-WWD 79644, VT-PS12DC-11 203658	WD-23 70771, F03Z2.6DC-NFSHR 43274, VTL-WWD 79644	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658
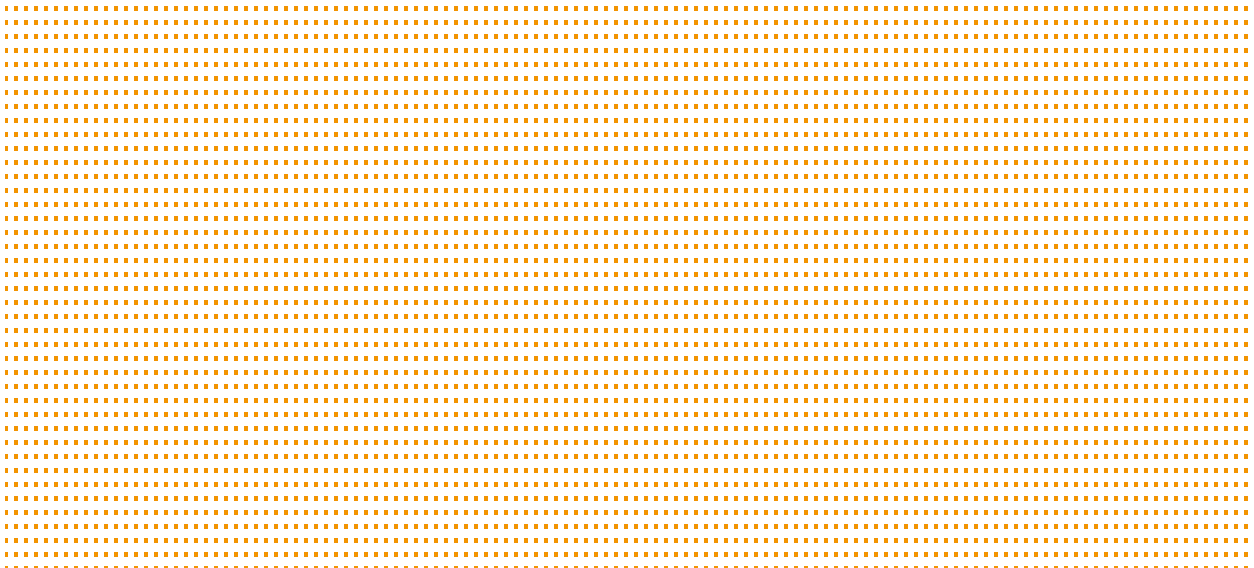
SD 540-600TVL	VKC-1416B 92592

System	day&night
Imager	1/4" CCD
Horizontal resolution	580 TVL
Light sensitivity	0,33 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes
Backlight compensation	BLC
Wide Dynamic Range (WDR)	WDR
Low speed shutter	yes
Activity detection	yes
Digital zoom	1x ~ 16x
Video outputs	composite (CVBS)
Lens	22x auto focus zoom 3,9-85,8 mm
Temperature range (operation)	-10°C ~ +50°C
Vandalism resistant	no
Illumination	no
Serial interfaces	RS-232, RS-485
Alarm Inputs/Outputs	no/1
Supply voltage	12VDC
Accessories	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658
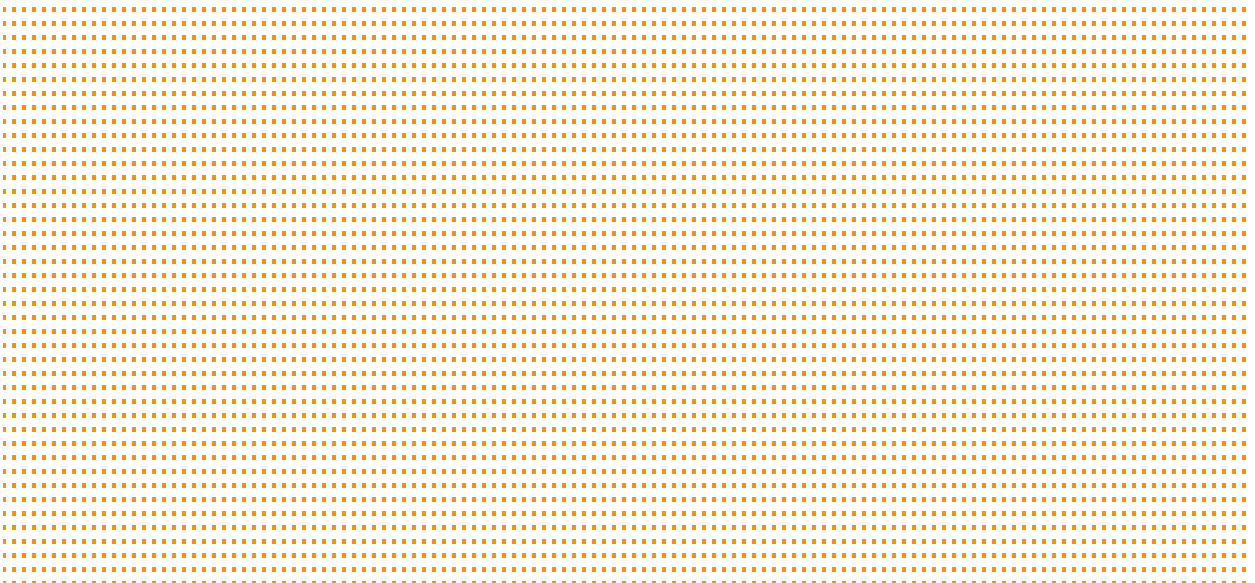
HR 650-700TVL	VKC-1392/12-24 202390	VKC-1392 202389	VKC-1393/12-24 202392	VKC-1393 202391
	NEW	NEW	NEW	NEW
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	700 TVL	700 TVL	700 TVL	700 TVL
Light sensitivity	0,15 Lux	0,15 Lux	0,1 Lux	0,1 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC, HLC	BLC, HLC	BLC, EHLC, AUTO, SPOT	BLC, EHLC, AUTO, SPOT
Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	D-WDR
Low speed shutter	no	no	yes	yes
Activity detection	yes	yes	yes	yes
Digital zoom	no	no	yes	yes
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	CS/C mount	CS/C mount	CS/C mount	CS/C mount
Temperature range (operation)	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
Illumination	no	no	no	no
Serial interfaces	no	no	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/no	no/1	no/1
Supply voltage	12VDC, 24VAC	230VAC	12VDC, 24VAC	230VAC
Accessories	WD-23 70771, VTL-WWD 79644, F03Z2.6DC-NFSHR 43274, VT-PS12DC-11 203658	WD-23 70771, VTL-WWA 79488, F03Z2.6DC-NFSHR 43274	WD-23 70771, VTL-WWD 79644, F03Z2.6DC-NFSHR 43274, VT-PS12DC-11 203658	WD-23 70771, VTL-WWA 79488, F03Z2.6DC-NFSHR 43274
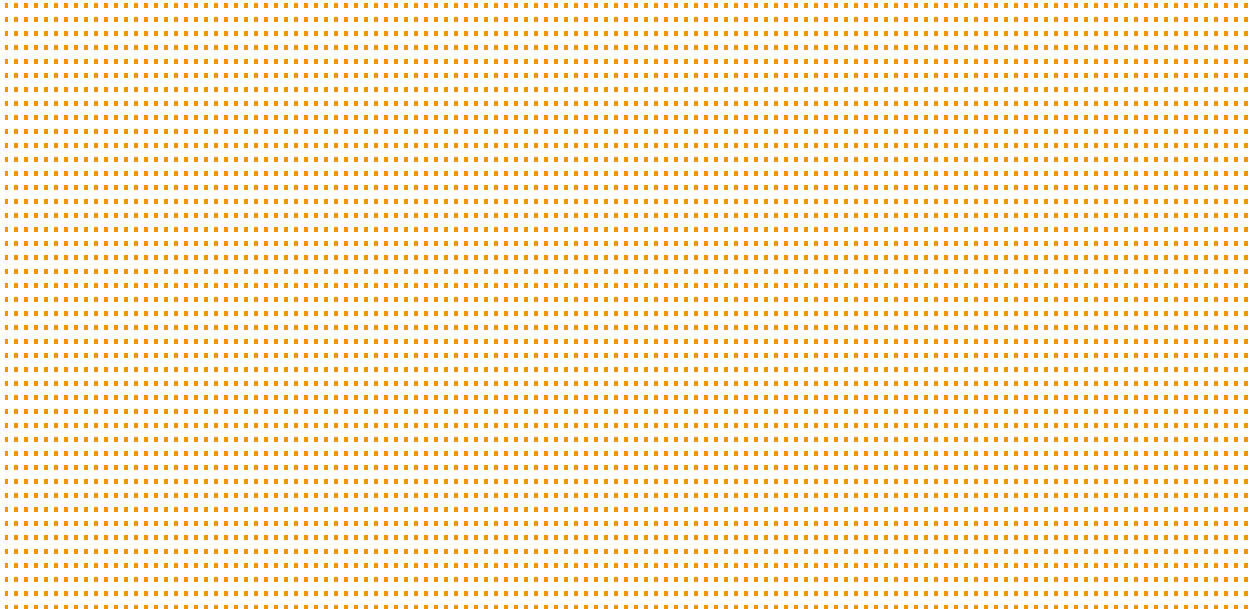
HR 650-700TVL	VKC-1394/12-24 202394	VKC-1394 202393	VKC-1424-12 92755	VKC-1424-22 92754
	NEW	NEW		
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	700 TVL	700 TVL	650 TVL	650 TVL
Light sensitivity	0,1 Lux	0,1 Lux	0,16 Lux	0,16 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D & 3D NR	yes, 2D & 3D NR
Backlight compensation	BLC, EHLC, AUTO, SPOT	BLC, EHLC, AUTO, SPOT	BLC	BLC
Wide Dynamic Range (WDR)	WDR	WDR	WDR	WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Digital zoom	yes	yes	2x ~ 32x	2x ~ 32x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	CS/C mount	CS/C mount	12x auto focus zoom 3,8-45,6 mm	22x auto focus zoom 3,9-85,8 mm
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Illumination	no	no	no	no
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	no/1	no/1	no/1	no/1
Supply voltage	12VDC, 24VAC	230VAC	12VDC	12VDC
Comments			Sony Super HAD II 960H Interline Transfer, Sony Effio DSP	Sony Super HAD II 960H Interline Transfer, Sony Effio DSP
Accessories	WD-23 70771, VTL-WWD 79644, F03Z2.6DC-NFSHR 43274, VT-PS12DC-11 203658	WD-23 70771, VTL-WWA 79488, F03Z2.6DC-NFSHR 43274	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658

HR 650-700TVL	VKC-1424-36 92718

System	day&night
Imager	1/4" CCD
Horizontal resolution	650 TVL
Light sensitivity	0,16 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes, 2D & 3D NR
Backlight compensation	BLC
Wide Dynamic Range (WDR)	WDR
Low speed shutter	yes
Activity detection	yes
Digital zoom	2x ~ 32x
Video outputs	composite (CVBS)
Lens	36x auto focus zoom 3,4-122,4 mm
Temperature range (operation)	-10°C ~ +50°C
Vandalism resistant	no
Illumination	no
Serial interfaces	RS-485
Alarm Inputs/Outputs	no/1
Supply voltage	12VDC
Comments	Sony Super HAD II 960H Interline Transfer, Sony Effio DSP
Accessories	WD-23 70771, VTL-WWD 79644, VT-PS12DC-11 203658
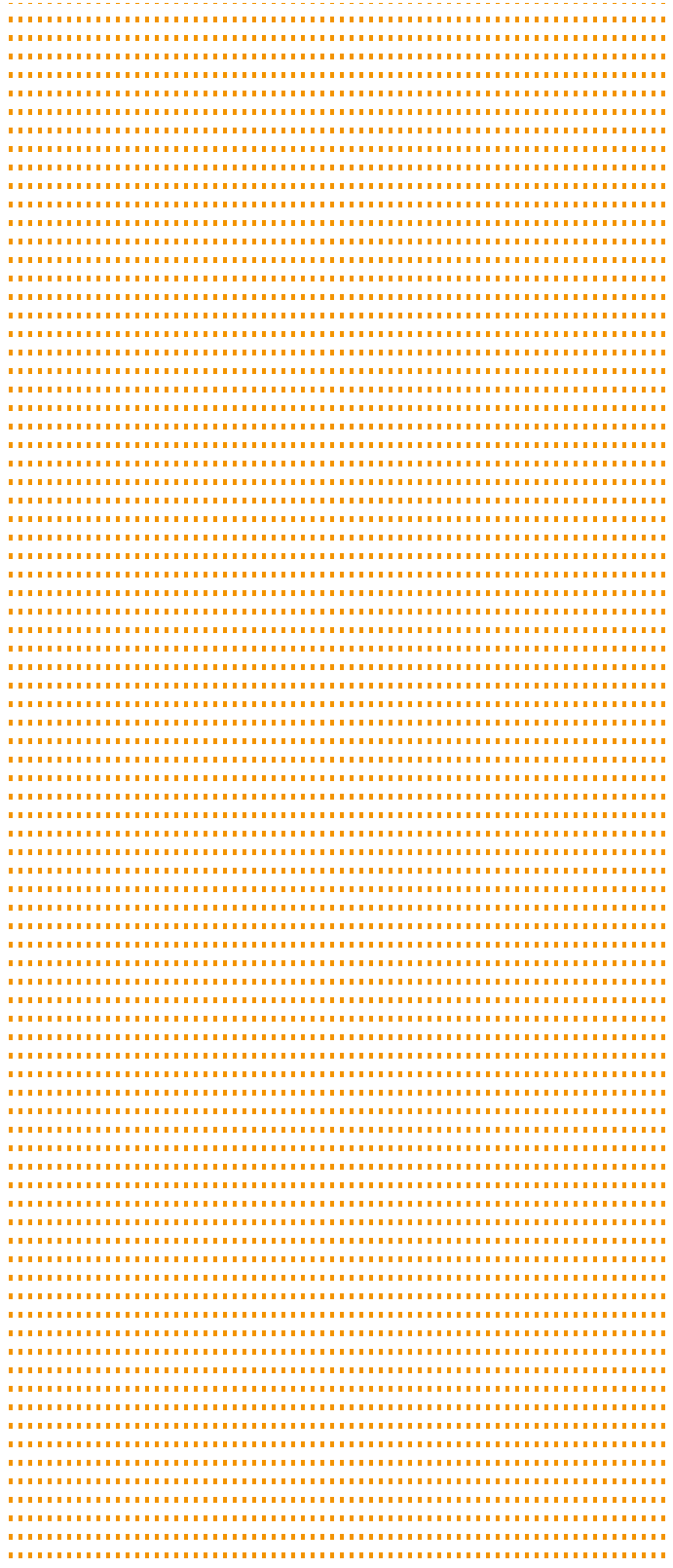
Highlights

VKC-13120F2810IR

1/3" Sony Effio-P double scan (960H) +++ IR cut filter (ICR) +++ Horizontal video resolution 700 TVL +++ Integral varifocal lens F1.2/2.8-10mm +++ 2D&3DNR powerful digital noise reduction +++ Wide dynamic range (WDR) +++ Privacy masking/mirror/motion detection +++ Easy installation (mounting aid), fixation via central screw +++ Illumination range: approx. 50m (40 LEDs 850nm) +++ Focus and zoom adjustable from the outside +++ Supply voltage 12VDC or 24VAC +++ Bullet housing, wall or ceiling mount, hidden cable routing

Art.: 202511 1/3" Camera , Day&Night, 2,8-10mm, 700TVL, WDR, IR Illumination, 12/24V, IP68

VKC-14120Z36IR

Hi-res day&night camera with double scan CCD +++ 36x autofocus lens / 32x digital zoom +++ True day&night mode with IR cut filter +++ WDR (wide dynamic range) +++ Powerful digital noise reduction (2D/3D DNR) +++ Motion detection (MD) +++ High and low speed shutter control +++ Digital effects: H/V reverse, 180° rotate, freeze +++ Privacy masking +++ On-screen menu control (OSD) +++ RS-485 serial interface (Pelco P & D) +++ Integral IR LED illumination (6 high power LEDs 855nm)

Art.: 204300 1/4" Camera, Day&Night, WDR, BLC, 36x Zoom, 3,4-122,4mm, 650TVL, 12VDC/24VAC, IR-LED

SD 540-600 TVL	VKC-1382/IR-316 92697	VKC-1379B/IR316 92752	VKC-1378/IR-650 92595	VKC-1378/IR-316 92578
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD
Horizontal resolution	600 TVL	570 TVL	560 TVL	560 TVL
Light sensitivity	0,14 Lux	0,4 Lux	0,2 Lux	0,2 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 3D / SSNR3 (Selected Super Noise Reduction)	yes, 3D NR	yes, 3D NR	yes, 3D NR
Backlight compensation	BLC, HS BLC (eclipser)	no	BLC, HS BLC (eclipser)	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	D-WDR	WDR	D-WDR	D-WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Digital zoom	1x ~ 16x	2x ~ 12x	2x ~ 32x	2x ~ 32x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,5-16 mm	varifocal 3,5-16 mm	varifocal 6-50 mm	varifocal 3,5-16 mm
Horizontal angle of view	70-17,5 °	70-17,5 °	43,6-5,4 °	70-17,5 °
Temperature range (operation)	-20℃ ~ +50℃	-20℃ ~ +50℃	-20℃ ~ +50℃	-20℃ ~ +50℃
Vandalism resistant	no	no	no	no
e-PTZ support	no	yes	no	no
Housing	outdoor, bullet, eneo Candid Large	outdoor, bullet, eneo Candid Large	outdoor, bullet, eneo Candid Large	outdoor, bullet, eneo Candid Large
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Illumination	infrared	infrared	infrared	infrared
Mounting	wall mount	wall mount	wall mount	wall mount
Serial interfaces	RS-485	RS-485	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Protection rating	IP68	IP68	IP68	IP68
Comments	Samsung W5 DSP, illumination range: 80m	Pixim Seawolf DSP, illumination range: 80m	Ilumination range: 80m	Ilumination range: 80m
Accessories	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888	NE-132/AC24V 70527, PM-42A 202641, RM-1000 203617, AK-4 202888	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888

SD 540-600 TVL	VKC-1359BIR/W3P 96103	VKC-1327B-IR/W3 96099	VKC-1327B/W3 96101	VKC-1367IR-1850 96094
System	day&night	day&night	day&night	day&night
Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	570 TVL	560 TVL	560 TVL	540 TVL
Light sensitivity	0,4 Lux	0,2 Lux	0,2 Lux	0,16 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, ON/OFF switchable	yes, 3D NR	yes, 3D NR	no
Backlight compensation	no	HS BLC (eclipser), BLC	HS BLC (eclipser), BLC	BLC
Wide Dynamic Range (WDR)	WDR	D-WDR	D-WDR	no
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	no
Digital zoom	2x ~ 12x	2x ~ 32x	2x ~ 32x	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,8-9,5 mm	varifocal 3,8-9,5 mm	varifocal 3,8-9,5 mm	varifocal 18-50 mm
Horizontal angle of view	30-74,2 °	74,2-30 °	74,2-30 °	14,6-5,6 °
Temperature range (operation)	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Vandalism resistant	no	no	no	no
e-PTZ support	yes	no	no	no
Housing	outdoor, eneo W3 Plug & Play	outdoor, eneo W3 Plug & Play	outdoor, eneo W3 Plug & Play	outdoor, eneo W3 Plug & Play
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Illumination	infrared	infrared	no	infrared
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Protection rating	IP67	IP67	IP67	IP67
Comments	Pixim Seawolf DSP, intelligent IR illumination, illumination range: 35m	Intelligent IR illumination, illumination range: 30m		Ilumination range: 30m
Accessories	W3 INST-KIT1 88148, PM-42A 202641, RM-1000 203617, VT-PS12DC-11 203658	W3 INST-KIT1 88148, PM-42A 202641, VT-PS12DC-11 203658	W3 INST-KIT1 88148, PM-42A 202641, VT-PS12DC-11 203658	W3 INST-KIT1 88148, PM-42A 202641, VT-PS12DC-11 203658

SD 540-600 TVL	VKC-1324B/W3 96102	VKC-1368-WL/W3 96096	VKC-1416B/PP 74229
System	colour	colour	day&night
Imager	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	540 TVL	540 TVL	580 TVL
Light sensitivity	0,2 Lux	0,2 Lux	0,33 Lux
IR cut filter	standard	standard	switchable
Digital Noise Reduction (DNR)	no	no	yes, 2D NR, 3D NR
Backlight compensation	BLC	BLC	BLC
Wide Dynamic Range (WDR)	no	no	WDR
Low speed shutter	no	no	yes
Activity detection	no	no	yes
Digital zoom	no	no	1x ~ 16x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,8-9,5 mm	varifocal 3,8-9,5 mm	22x auto focus zoom 3,9-85,8 mm
Horizontal angle of view	74,2-30 °	74,2-30 °	50-2,46 °
Temperature range (operation)	-20℃ ~ +50℃	-20℃ ~ +50℃	-10℃ ~ +50℃
Vandalism resistant	no	no	no
e-PTZ support	no	no	no
Housing	outdoor, eneo W3 Plug & Play	outdoor, eneo W3 Plug & Play	outdoor
Colour (housing)	Pantone 7541	Pantone 7541	Pantone Cool Gray 1C
Illumination	no	white light	no
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount
Serial interfaces	no	no	RS-232, RS-485
Alarm Inputs/Outputs	no/no	no/no	no/yes
Supply voltage	12VDC	12VDC, 24VAC	12VDC, 24VAC
Protection rating	IP67	IP67	IP66
Comments		Ilumination range: 10m	
Accessories	W3 INST-KIT1 88148, PM-42A 202641, VT-PS12DC-11 203658	W3 INST-KIT1 88148, PM-42A 202641, VT-PS12DC-11 203658	VKCD-1410/KB 92192, VT-PS12DC-11 203658

SD 540-600 TVL	VKC-1371/IR-6 92542	VKC-1371/IR-3.6 92543	VKC-1381/IR-3.6 92594	VKC-1361/IR-4.0 92205
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	550 TVL	550 TVL	550 TVL	520 TVL
Light sensitivity	0,22 Lux	0,22 Lux	0,33 Lux	0,18 Lux
IR cut filter	OLPF (Overlay Low Pass Filter)	OLPF (Overlay Low Pass Filter)	switchable	OLPF (Overlay Low Pass Filter)
Digital Noise Reduction (DNR)	no	no	no	no
Backlight compensation	no	no	no	BLC
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	yes
Activity detection	no	no	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	fixed focal length 6 mm	fixed focal length 3,6 mm	fixed focal length 3,6 mm	fixed focal length 4 mm
Horizontal angle of view	50,6 °	67,4 °	67,4 °	63 °
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Vandalism resistant	no	no	no	no
e-PTZ support	no	no	no	no
Housing	outdoor	outdoor	outdoor	outdoor
Colour (housing)	silver grey	silver grey	silver grey	silver grey
Illumination	infrared	infrared	infrared	infrared
Mounting	wall mount	wall mount	wall mount	wall mount
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC	12VDC	12VDC	12VDC
Protection rating	IP67	IP67	IP67	IP67
Comments	Ilumination range: 30m	Ilumination range: 30m	Ilumination range: 30m	Ilumination range: 15m
Accessories	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535, PM-42A 202641

HR 650-700 TVL	VKC-14120Z36IR 204300	VKC-13100F650IR 203837	VKC-13100F2810IR 204026	VKC-13100IR12Z 200264
	NEW	NEW	NEW	NEW
System	day&night	day&night	day&night	day&night
Imager	1/4" CCD	1/3" CCD	1/3" CCD	1/4" CCD
Horizontal resolution	650 TVL	700 TVL	700 TVL	700 TVL
Light sensitivity	0,16 Lux	0,15 Lux	0,15 Lux	0,16 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D & 3D	yes, 2D NR	yes, 2D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC	BLC, HLC	BLC, HLC	BLC
Wide Dynamic Range (WDR)	WDR	D-WDR	D-WDR	WDR
Low speed shutter	yes	no	no	yes
Activity detection	yes	yes	yes	yes
Digital zoom	2x ~ 32x	no	no	2x ~ 32x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	36x auto focus zoom 3,4-122,4 mm	varifocal 6-50 mm	varifocal 2,8-10 mm	12x auto focus zoom 3,8-45,6 mm
Horizontal angle of view	50,4-1,4 °	43,6-5,4 °	81,2-27 °	45,6-4,0 °
Temperature range (operation)	-20℃ ~ +50℃	-50℃ ~ +50℃	-50℃ ~ +50℃	-20℃ ~ +50℃
Vandalism resistant	no	no	no	no
e-PTZ support	no	no	no	no
Housing	outdoor, eneo Candid Large	outdoor, bullet, eneo Candid Medium	outdoor, bullet, eneo Candid Medium	outdoor, bullet, eneo Candid Medium
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Illumination	infrared	infrared	infrared	infrared
Mounting	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount	wall mount, ceiling mount
Serial interfaces	RS-485	no	no	RS-485
Alarm Inputs/Outputs	no/1	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Protection rating	IP68	IP68	IP68	IP68
Accessories	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888, VT-PS12DC-11 203658	VT-PS12DC-11 203658, PM-42A 202641, AK-4 202888, VT-PS12DC-11 203658	NE-132/AC24V 70527, PM-42A 202641, AK-4 202888, VT-PS12DC-11 203658

HR 650-700 TVL	VKC-13120F2810IR 202511

NEW

System	day&night
Imager	1/3" CCD
Horizontal resolution	700 TVL
Light sensitivity	0,1 Lux
IR cut filter	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR
Backlight compensation	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	WDR
Low speed shutter	yes
Activity detection	yes
Digital zoom	yes
Video outputs	composite (CVBS)
Lens	varifocal 2,8-10 mm
Horizontal angle of view	81,2-27 °
Temperature range (operation)	-50°C ~ +50°C
Vandalism resistant	no
e-PTZ support	yes
Housing	outdoor, bullet, eneo Candid Medium
Colour (housing)	Pantone 7541
Illumination	infrared
Mounting	wall mount, ceiling mount
Serial interfaces	RS-485
Alarm Inputs/Outputs	no/no
Supply voltage	12VDC, 24VAC
Protection rating	IP68
Accessories	NE-132/AC24V 70527, RM-1000 203617, PM-42A 202641, AK-4 202888, VT-PS12DC-11 203658
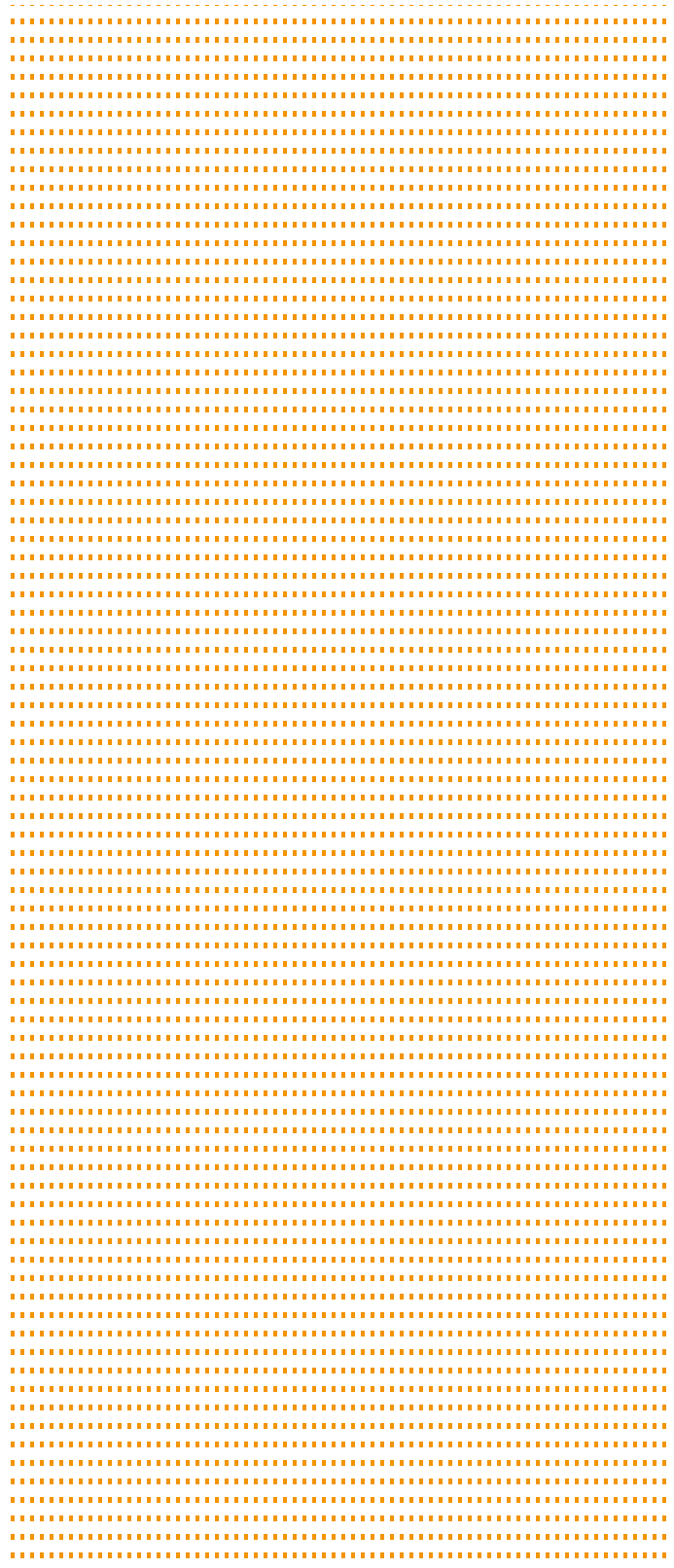
Highlights

VKCD-13120F2810IR

1/3" Sony Effio-P double scan (960H) +++ Built-in lens F1.2/2,8-10mm with DC iris control +++ Sensitivity of 0,1 Lux (F1.2 / colour) +++ Removable IR cut filter +++ Digital noise reduction 2&3DNR +++ Wide dynamic range (WDR) +++ Dynamic (light) intensity control (DIC) +++ Exact focus setting aid +++ IR illumination by 30 integral 850nm LEDs +++ Surface or flush mounting with clear bubble +++ Weatherproof camera, protection rating: IP68/IK10 +++ Supply voltage: 12VDC/24VAC

Art.: 201286 1/3" Dome, Day&Night, WDR, Effio P, 2.8-10mm, 700TVL, IR-Illumination, 12/24V, IP68

VKCD-12100F2810IR

For wall and ceiling flush and surface mount +++ Vandal and tamper-resistant +++ Integrated F1.4/2.8-10mm varifocal +++ Externally adjustable focus & zoom +++ Digital wide dynamic range (D-WDR) +++ Sensitivity of 0.1Lux at F1.2 (colour) +++ Backlight compensation (BLC,HLC) +++ Automatic white balance (AWB) +++ Powerful digital noise reduction (2D DNR) +++ Smart IR function, 15 LEDs +++ Manual 3-axis camera gimbal +++ Supply voltage: 12VDC

Art.: 202438 1/3" Dome, Fixed, Day/Night, DNR, D-WDR, 2.8-10mm, 700TVL, Effio E,12VDC

SD 540-600 TVL	VKCD-1320SM/VF 92156	VKCD-1328WFM/MF 92539	VKCD-1328WSM/MF 92541	VKC-1327A/WDDG1 92166
System	colour	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540 TVL	540 TVL	540 TVL	540 TVL
Light sensitivity	0,2 Lux	0,16 Lux	0,16 Lux	0,5 Lux
IR cut filter	standard	switchable	switchable	switchable
Digital Noise Reduction (DNR)	no	no	no	no
Backlight compensation	BLC	BLC	BLC	BLC
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	no
Activity detection	no	no	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 2,8-10 mm	fixed focal length 3,7 mm	fixed focal length 3,7 mm	varifocal 3,8-9,5 mm
Horizontal angle of view	82-27 °	67 °	67 °	74,2-30 °
Illumination	no	no	no	no
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC	12VDC	12VDC	12VDC, 24VAC
Housing	indoor	outdoor	outdoor	outdoor
Colour (housing)	black	white	white	Pantone Cool Gray 1C
Colour (bubble)	clear	clear	clear	clear
Mounting	ceiling mount, wall mount	flush mount	ceiling mount, wall mount	flush mount
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Protection rating	n/a	IP66	IP66	IP65
Vandalism resistant	no	yes	yes	yes
Accessories	VT-PS12DC-8 70535, VKCD/WMB-2SW 92047, VKCD-1320/DUMMY 92153	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-11 203658

SD 540-600 TVL	VKC-1327A/WDDG2 92167	VKCD-1337/IR 92696	VKCD-134/HR 92207	VKCD-135/HR 92208
System	day&night	day&night	colour	colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540 TVL	540 TVL	550 TVL	550 TVL
Light sensitivity	0,5 Lux	0,24 Lux	0,5 Lux	0,5 Lux
IR cut filter	switchable	OLPF (Overlay Low Pass Filter)	standard	standard
Digital Noise Reduction (DNR)	no	no	no	no
Backlight compensation	BLC	BLC	no	no
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	no
Activity detection	no	no	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,8-9,5 mm	varifocal 4-9 mm	fixed focal length 3,7 mm	fixed focal length 3,7 mm
Horizontal angle of view	74,2-30 °	71-31,6 °	68 °	68 °
Illumination	no	infrared	no	no
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC	12VDC	12VDC
Housing	outdoor	outdoor	indoor	indoor
Colour (housing)	Pantone Cool Gray 1C	dark grey	anodized silver-coloured (C-0)	anodized silver-coloured (C-0)
Colour (bubble)	clear	clear	-	-
Mounting	ceiling mount, wall mount	ceiling mount, wall mount	flush mount, wall mount	flush mount
Temperature range (operation)	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
Protection rating	IP65	IP66	n/a	n/a
Vandalism resistant	yes	yes	no	no
Accessories	3/4" - M25X1.5 88149, VT-PS12DC-11 203658	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535

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SD 540-600 TVL	VKCD-1324C/IR 200173	VKCD-1416B 74228	VKCD-1332SM/3.8 92571	VKCD-1338 92695
System	day&night	day&night	day&night	day&night
Imager	1/3" DPS (Pixim)	1/4" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	570 TVL	580 TVL	600 TVL	600 TVL
Light sensitivity	0,4 Lux	0,33 Lux	0,2 Lux	0,18 Lux
IR cut filter	switchable	switchable	OLPF (Overlay Low Pass Filter)	OLPF (Overlay Low Pass Filter)
Digital Noise Reduction (DNR)	yes, 3D NR with adjustable gain	yes, 2D & 3D	no	yes
Backlight compensation	no	BLC	BLC	SBLC
Wide Dynamic Range (WDR)	yes	WDR	no	no
Low speed shutter	yes	yes	no	no
Activity detection	yes	yes	no	yes
Digital zoom	12x	1x ~ 16x	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 2,8-10 mm	22x/auto focus zoom 3,9-85,8 mm	fixed focal length 3,8 mm	varifocal 3,8-9,5 mm
Horizontal angle of view	81,2-27 °	49,5-3,9 °	65 °	77,4-29,8 °
Illumination	infrared	no	no	no
Serial interfaces	RS-485	RS-232, RS-485	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC	12VDC
Housing	outdoor, dome, eneo Callisto	outdoor	indoor	outdoor
Colour (housing)	Pantone 7541	Pantone Cool Gray 1C	Pantone Warm Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	clear	clear	clear	tinted
Mounting	flush mount, ceiling mount, wall mount	ceiling mount, wall mount	ceiling mount, wall mount	wall mount, ceiling mount
Temperature range (operation)	-20°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +45°C	-10°C ~ +50°C
Protection rating	IP68	IP66	n/a	IP65
Vandalism resistant	yes	yes	no	yes
Accessories	DOME-WB1 202642, RM-1000 203617, VT-PS12DC-11 203658	VKCD-1410/KB 92192, VT-PS12DC-11 203658	VT-PS12DC-8 70535	VT-PS12DC-7 70495, VT-PS12DC-8 70535, VT-PS12DCDT1 77773

SD 540-600 TVL	VKCD-1333SM/49 92575	VKCD-1327ASFM 202499	VKCD-1327ASSM 202434	VKCD-1334SM/210 92576
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	600 TVL	600 TVL	600 TVL	600 TVL
Light sensitivity	0,15 Lux	0,1 Lux	0,1 Lux	0,15 Lux
IR cut filter	OLPF (Overlay Low Pass Filter)	OLPF (Overlay Low Pass Filter)	OLPF (Overlay Low Pass Filter)	switchable
Digital Noise Reduction (DNR)	yes, adjustable: Max / Mid / Min, ON/OFF switchable	no	no	yes
Backlight compensation	BLC	BLC	BLC	BLC
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	no
Activity detection	yes	no	no	yes
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,8-9,5 mm	fixed focal length 3,6 mm	fixed focal length 3,6 mm	varifocal 2,8-10,5 mm
Horizontal angle of view	64,6-28,4 °	68 °	68 °	81,2-25,8 °
Illumination	no	no	no	no
Serial interfaces	no	no	no	no
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC	12VDC	12VDC	12VDC
Housing	indoor	outdoor	outdoor	indoor
Colour (housing)	Pantone Warm Gray 1C	silver grey	silver grey	Pantone Warm Gray 1C
Colour (bubble)	clear	clear	clear	clear
Mounting	ceiling mount, wall mount	flush mount	ceiling mount, wall mount	ceiling mount, wall mount
Temperature range (operation)	-10°C ~ +45°C	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C
Protection rating	n/a	IP66	IP66	n/a
Vandalism resistant	no	yes	yes	no
Accessories	VT-PS12DC-8 70535			VT-PS12DC-8 70535

SD 540-600 TVL	VKCD-1335SMH/VF 92577	VKCD-1326B/IR 92701
System	day&night	day&night
Imager	1/3" CCD	1/3" CCD
Horizontal resolution	600 TVL	600 TVL
Light sensitivity	0,15 Lux	0,18 Lux
IR cut filter	switchable	switchable
Digital Noise Reduction (DNR)	yes	yes
Backlight compensation	BLC	SBLC
Wide Dynamic Range (WDR)	no	no
Low speed shutter	no	no
Activity detection	yes	yes
Digital zoom	no	no
Video outputs	composite (CVBS)	composite (CVBS)
Lens	varifocal 2,8-10,5 mm	varifocal 3,8-9,5 mm
Horizontal angle of view	81,2-25,8 °	64,6-28,4 °
Illumination	no	infrared
Serial interfaces	no	no
Alarm Inputs/Outputs	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC
Housing	outdoor	outdoor
Colour (housing)	Pantone Warm Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	tinted	tinted
Mounting	ceiling mount, wall mount	wall mount, ceiling mount
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C
Protection rating	IP65	IP65
Vandalism resistant	yes	yes
Accessories	VDOME/WB2 74151, VT-PS12DC-8 70535	VT-PS12DC-7 70495, VT-PS12DCDT1 77773, VT-PS12DC-8 70535, VDOME/WB2 74151, 3/4" - M25X1.5 88149

HR 650-700 TVL	VKCD-13100F2810 201284	VKCD-13100F2810IR 203667	VKCD-13120F2810 202540	VKCD-13120F2810IR 201286
	NEW	NEW	NEW	NEW
System	day&night	day&night	day&night	day&night
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	700 TVL	700 TVL	700 TVL	700 TVL
Light sensitivity	0,15 Lux	0,15 Lux	0,1 Lux	0,1 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR	yes, 2D & 3D	yes, 2D & 3D
Backlight compensation	BLC, HS BLC (eclipser)	BLC, HS BLC (eclipser)	BLC, HS BLC (eclipser)	BLC, HS BLC (eclipser)
Wide Dynamic Range (WDR)	D-WDR	D-WDR	WDR	WDR
Low speed shutter	no	no	yes	yes
Activity detection	yes	yes	yes	yes
Digital zoom	yes	yes	yes	yes
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 2,8-10 mm	varifocal 2,8-10 mm	varifocal 2,8-10 mm	varifocal 2,8-10 mm
Horizontal angle of view	81,2-27 °	81,2-27 °	81,2-27 °	81,2-27 °
Illumination	no	infrared	no	infrared
Serial interfaces	no	no	RS-485	RS-485
Alarm Inputs/Outputs	no/no	no/no	no/no	no/no
Supply voltage	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC	12VDC, 24VAC
Housing	outdoor, eneo Callisto	outdoor, eneo Callisto	outdoor, eneo Callisto	outdoor, eneo Callisto
Colour (housing)	Pantone 7541	Pantone 7541	Pantone 7541	Pantone 7541
Colour (bubble)	clear	clear	clear	clear
Mounting	ceiling mount, flush mount	ceiling mount, flush mount	wall mount, ceiling mount, flush mount	wall mount, ceiling mount, flush mount
Temperature range (operation)	-20°C ~ +50°C	-50°C ~ +50°C	-20°C ~ +50°C	-50°C ~ +50°C
Protection rating	IP68	IP68	IP68	IP68
Vandalism resistant	yes	yes	yes	yes
Accessories	DOME-WB1 202642, PM-42A 202641, VT-PS12DC-11 203658	DOME-WB1 202642, RM-1000 203617, PM-42A 202641, VT-PS12DC-11 203658	DOME-WB1 202642, RM-1000 203617, PM-42A 202641, VT-PS12DC-11 203658	DOME-WB1 202642, RM-1000 203617, PM-42A 202641, VT-PS12DC-11 203658

HR 650-700 TVL	VKCD-12100F2810IR 202438	VKCD-12110F2810IR 202440
	NEW	NEW
System	day&night	day&night
Imager	1/3" CCD	1/3" CCD
Horizontal resolution	700 TVL	700 TVL
Light sensitivity	0,1 Lux	0,1 Lux
IR cut filter	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC, HLC	BLC, HLC
Wide Dynamic Range (WDR)	D-WDR	D-WDR
Low speed shutter	no	yes
Activity detection	yes	yes
Digital zoom	yes	yes
Video outputs	composite (CVBS)	composite (CVBS)
Lens	varifocal 2,8-10 mm	varifocal 2,8-10 mm
Horizontal angle of view	81,2-27 °	81,2-27 °
Illumination	infrared	infrared
Serial interfaces	no	no
Alarm Inputs/Outputs	no/no	no/no
Supply voltage	12VDC	12VDC
Housing	outdoor	outdoor
Colour (housing)	Pantone 7541	Pantone 7541
Colour (bubble)	clear	clear
Mounting	wall mount, ceiling mount	wall mount, ceiling mount
Temperature range (operation)	-10°C ~ +50°C	-10°C ~ +50°C
Protection rating	IP66	IP66
Vandalism resistant	yes	yes
Accessories	VT-PS12DC-8 70535	VT-PS12DC-8 70535

Highlights

EDC-4372

High resolution colour/b&w Exview HAD CCD +++ Wide dynamic range (WDR) +++ Auto calibration +++ 37x optical and 16x digital zoom (264 total) +++ Removable IR cut filter (ICR) +++ High and low speed shutter control (MES/ESC/DSS) +++ Pattern, tour and autopan function +++ 240 presets +++ Digital image stabilization (DIS) +++ Video analysis: Motion trace, counting, enter, etc +++ RS-485/RS-422 control interface +++ Supply voltage: 18 to 30VAC, 50/60Hz

Art.: 204291 1/4" Dome, PTZ, Day&Night, 37x, Autocalibration, 3DNR WDR, 650TVL, 24VAC

EDC-3371

High resolution colour/b&w Exview HAD CCD +++ Wide dynamic range (WDR) +++ Digital image stabilization (DIS) +++ Auto calibration +++ 37x optical and 16x digital zoom (264 total) +++ Removable IR cut filter +++ High and low speed shutter control (MES/ESC/DSS) +++ Pattern, tour and autopan function +++ 240 presets +++ Dynamic window blanking +++ RS-485/RS-422 control interface +++ 8 alarm inputs / 4 outputs

Art.: 203038 1/4" Dome, PTZ, Day&Night, 37x, Autocalibration, 3DNR WDR, 650TVL, 24VAC

	EDCH-143E/C-AKS 74141	EDMC-3221 74225	EDMC-3221/E 74230	EDCH-143E/C 74222
System	day&night	day&night	day&night	day&night
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	580 TVL	580 TVL	580 TVL	580 TVL
Light sensitivity	0,38 Lux	0,33 Lux	0,33 Lux	0,38 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR	yes, 2D NR, 3D NR
Backlight compensation	BLC	BLC	BLC	BLC
Wide Dynamic Range (WDR)	yes	WDR	WDR	WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Analysis functions	no	no	no	no
Digital zoom	16x	16x	16x	16x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	22x auto focus zoom 3,9-85,8 mm	22x auto focus zoom 3,9-85,8 mm	22x auto focus zoom 3,9-85,8 mm	22x auto focus zoom 3,9-85,8 mm
Horizontal angle of view	49,5-2,4 °	44,6-3,2 °	49,5-2,4 °	47-2,6 °
Vandalism resistant	yes	yes	yes	yes
Serial interfaces	RS-485	RS-485	RS-485	RS-485
Alarm Inputs/Outputs	1/1	1/1	1/1	4/1
Rotation range	360°	360°	360°	360°
Speed (manual)	380 °/s.	380 °/s.	380 °/s.	380 °/s.
Speed (preset)	380 °/s.	380 °/s.	380 °/s.	380 °/s.
Housing	Outdoor, eneo Fastrax Plug & Play	Outdoor, eneo Minitrax	Outdoor, eneo Minitrax	Outdoor, eneo Fastrax Plug & Play
Colour (housing)	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	clear	clear	clear	clear
Mounting	wall pendant mount	ceiling mount	ceiling mount	Wall and ceiling mounting only in conjunction with related accessories
Supply voltage	230VAC	12VDC, 24VAC	12VDC, 24VAC	24VAC
Temperature range (operation)	-45°C ~ +50°C	-10°C ~ +50°C	-30°C ~ +50°C	-45°C ~ +50°C
Protection rating	IP66	IP66	IP66	IP66
Comments	With power&connection box and wall bracket			
Accessories	EDC-AKS1/MP 74138, KBD-2 74149	EDMC/CWB-1 74155, DOME-WB2 203696, NE-128 70449, KBD-2 74149	NE-128 70449, EDC-WMB1 74127, EDC-CMT1 74128, EDC-COAX 74094, KBD-2 74149	EDC-AKS1 74125, EDC-COAX 74094, KBD-2 74149

	EDC-4372 204291	EDC-4222 74223	EDC-3371 203038	EDC-3222 74193
	NEW		NEW	
System	day&night	day&night	day&night	day&night
Imager	1/4" CCD	1/4" CCD	1/4" CCD	1/4" CCD
Horizontal resolution	650 TVL	580 TVL	650 TVL	580 TVL
Light sensitivity	0,7 Lux	0,29 Lux	0,7 Lux	1,0 Lux
IR cut filter	switchable	switchable	switchable	switchable
Digital Noise Reduction (DNR)	yes, 3D NR	yes, 2D NR, 3D NR	yes, 3D NR	yes
Backlight compensation	BLC, HS BLC (eclipser)	BLC	BLC, HS BLC (eclipser)	BLC
Wide Dynamic Range (WDR)	WDR	WDR	WDR	WDR
Low speed shutter	yes	yes	yes	yes
Activity detection	yes	yes	yes	yes
Analysis functions	activity detection, trip wire detection, motion tracking, enter, left luggage recognition, tampering protection, object detection	trip wire detection, motion tracking, enter, left luggage recognition, removal (object disappearing or removing), activity detection	activity detection	activity detection
Digital zoom	16x	16x	16x	16x
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	37x auto focus zoom 3,5-122,4 mm	22x auto focus zoom 3,9-85,8 mm	37x auto focus zoom 3,5-122,4 mm	22x auto focus zoom 3,9-85,8 mm
Horizontal angle of view	49,2-1,4 °	49,5-2,4 °	49,2-1,4 °	49,5-2,46 °
Vandalism resistant	no	no	no	no
Serial interfaces	RS-485, RS-422	RS-485, RS-422	RS-485, RS-422	RS-422, RS-485
Alarm Inputs/Outputs	8/4	8/4	8/4	8/4
Rotation range	360°	360°	360°	360°
Speed (manual)	380 °/s.	380 °/s.	380 °/s.	380 °/s.
Speed (preset)	600 °/s.	360 °/s.	380 °/s.	380 °/s.
Housing	Indoor, eneo Fastrax IV	Indoor, eneo Fastrax IV	Indoor, eneo Fastrax III	Indoor, eneo Fastrax III
Colour (housing)	black	black	black	black
Colour (bubble)	clear	clear	clear	clear
Mounting	ceiling mount	ceiling mount	ceiling mount	ceiling mount
Supply voltage	24VAC	24VAC	24VAC	24VAC
Temperature range (operation)	0°C ~ +50°C	0°C ~ +50°C	0°C ~ +50°C	0°C ~ +50°C
Protection rating	n/a	n/a	n/a	n/a
Comments		GUI for Fastrax menu, analytics, time/date/function scheduling, day&night threshold, Coaxitron, DIS		
Accessories	EDC-KBD1 74088, EDC-OPC-2/24V 74130, EDC-IPC-2/24V 74135, EDC-IDFHSW 74154, NE-128 70449, EDC-COAX 74094	EDC-OPC-2/24V 74130, EDC-IPC-2/24V 74135, EDC-IDFHSW 74154, NE-128 70449, RM-1000 203617, KBD-2 74149	EDC-KBD1 74088, EDC-OPC-2/24V 74130, EDC-IPC-2/24V 74135, EDC-IDFHSW 74154, NE-128 70449, EDC-COAX 74094	EDC-OPC-2/24V 74130, EDC-IPC-2/24V 74135, EDC-IDFHSW 74154, NE-128 70449, EDC-COAX 74094, KBD-2 74149

	VKC-1327A/VAR49 92154	VKC-144 91756	VKC-144/PH 91774	VKC-1366 92529
System	day&night	colour	colour	colour
Imager	1/3" CCD	1/4" CCD	1/4" CCD	1/3" CCD
Horizontal resolution	540	380	380	550
Light sensitivity	0,5 Lux	0,58 Lux	0,7 Lux	0,2 Lux
IR cut filter	switchable	standard	standard	standard
Digital Noise Reduction (DNR)	no	no	no	no
Backlight compensation	BLC	BLC	BLC	no
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	no
Activity detection	no	no	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	varifocal 3,8-9,5 mm	fixed focal length 3,6 mm	fixed focal length 3,7 mm	fixed focal length 3,6 mm
Horizontal angle of view	74,2-30 °	52 °	51 °	69 °
Temperature range (operation)	-10℃ ~ +50℃	-10℃ ~ +40℃	-10℃ ~ +40℃	-10℃ ~ +50℃
e-PTZ support	no	no	no	no
Serial interfaces	no	no	no	no
Supply voltage	12VDC, 24VAC	12VDC	12VDC	12VDC
Comments			Pinhole lens	
Accessories	VT-PS12DC-11 203658	H0225M 40059, H0820M 40061, H1225 40065, VT-PS12DC-11 203658	VT-PS12DC-7 70495, VT-PS12DC-11 203658	H0225M 40059, H0820M 40061, VT-PS12DC-8 70535

	VKC-1369 92558	VK-134 91747	VKC-1331A 92531	VK-1319 91866
System	colour	black&white	colour	black&white
Imager	1/3" DPS (Pixim)	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	540	420	550	420
Light sensitivity	0,75 Lux	0,58 Lux	0,18 Lux	0,23 Lux
IR cut filter	standard	no	standard	no
Digital Noise Reduction (DNR)	yes, ON/OFF switchable	no	no	no
Backlight compensation	BLC	no	no	no
Wide Dynamic Range (WDR)	WDR	no	no	no
Low speed shutter	yes	no	no	no
Activity detection	no	no	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (VBS)	composite (CVBS)	composite (VBS)
Lens	fixed focal length 3,6 mm	fixed focal length 3,6 mm	fixed focal length 3,6 mm	fixed focal length 3,6 mm
Horizontal angle of view	69 °	69 °	69 °	69 °
Temperature range (operation)	-20℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
e-PTZ support	no	no	no	no
Serial interfaces	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC
Accessories	VT-PS12DC-11 203658	H0225M 40059, H0820M 40061, VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535

	VKC-1331 91978	VKC-1338BPIR 203715	VKC-1348/CM2 92322	VKC-1332/3.6SMD 91987
		NEW		
System	colour	colour	day&night	colour
Imager	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Horizontal resolution	380	700	540	470
Light sensitivity	0,64 Lux	0,01 Lux	0,25 Lux	0,5 Lux
IR cut filter	standard	standard	switchable	standard
Digital Noise Reduction (DNR)	no	no	no	no
Backlight compensation	no	no	BLC	no
Wide Dynamic Range (WDR)	no	no	no	no
Low speed shutter	no	no	no	no
Activity detection	no	yes	no	no
Digital zoom	no	no	no	no
Video outputs	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Lens	fixed focal length 3,6 mm	fixed focal length 3,7 mm	varifocal 3,8-9,5 mm	fixed focal length 3,6 mm
Horizontal angle of view	69 °	68 °	74,2-30 °	69 °
Temperature range (operation)	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃	-10℃ ~ +50℃
e-PTZ support	no	no	no	no
Serial interfaces	no	no	no	no
Supply voltage	12VDC	12VDC	12VDC	12VDC
Accessories	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535	VT-PS12DC-8 70535

	ZELARIS ECO SERVER 16 202428	ZELARIS ECO SERVER 8 202427
	NEW	NEW
Description	Video Management Software, Server/Client for 16 Cameras, ONVIF	Video Management Software, Server/Client for 8 Cameras, ONVIF
Application	client/server architecture	client/server architecture
Operation system	Windows XP, Windows 7 (32 Bit), Windows 7 (64Bit)	Windows XP, Windows 7 (32 Bit), Windows 7 (64Bit)
Licensing type	per channel	per channel
Alarm administration	yes	yes
Alarm management	eMail, FTP	eMail, FTP
Control units (external)	system keyboard, mouse, jog shuttle, keyboard	system keyboard, mouse, jog shuttle, keyboard
Multi monitor operation	yes	yes
Site maps	no	no
e-PTZ support	yes	yes
Recording format	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264
Playback format	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264
Recording functions	time triggered, permanent, motion detector, contact	time triggered, permanent, motion detector, contact
Supported video sources	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera
Analysis mode	no	no
Analysis functions	no	no
Obstruction detection	no	no
Direction detection	no	no
Object tracking	no	no
Object classification	no	no
Activity detection	no	no
OPC connection	no	no
Remote access	yes	yes
Managable video sources max.	16	8
ONVIF	yes	yes
Product training	available	available

	ZELARIS ECO SERVER 4 202426	ZELARIS BASIC 76101
	NEW	
Description	Video Management Software, Server/Client for 4 Cameras, ONVIF	Video Management Software, ONVIF, Single User, for 4 Cameras, expandable
Application	client/server architecture	single user solution, small to medium-sized systems
Operation system	Windows XP, Windows 7 (32 Bit), Windows 7 (64Bit)	Windows XP, Windows Vista, Windows 7 (32 Bit), Windows 7 (64Bit)
Licensing type	per channel	per channel
Alarm administration	yes	yes
Alarm management	eMail, FTP	eMail, scripting language, FTP
Control units (external)	system keyboard, mouse, jog shuttle, keyboard	system keyboard, mouse, jog shuttle, keyboard
Multi monitor operation	yes	yes
Site maps	no	yes
e-PTZ support	yes	yes
Recording format	MJPEG, MPEG4, H.264	MJPEG, MPEG4, H.264
Playback format	MJPEG, MPEG4, H.264	MJPEG, MPEG4, with Zelaris Decoder, H.264, with Zelaris Decoder
Recording functions	time triggered, permanent, motion detector, contact	time triggered, permanent, motion detector, contact
Supported video sources	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera
Analysis mode	no	live, archive
Analysis functions	no	motion detection, obstruction detection
Obstruction detection	no	yes
Direction detection	no	no
Object tracking	no	no
Object classification	no	no
Activity detection	no	yes
OPC connection	no	no
Remote access	yes	no
Managable video sources max.	4	4, 24 (max.)
ONVIF	yes	yes
Product training	available	available
Certificates	n/a	DGUV test certificate
Comments		Extension with Zelaris BAS EXT possible (see accessories), product upgrades will be found in chapter Accessories
Accessories		ZELARIS BAS EXT 76105, ZELARIS DECODER 76108, S-PRO V.2 76022, AXIS T8310 98143

	ZELARIS SERVER 76102	ZELARIS CLIENT FULL 76103
Description	Video Management Software, ONVIF, Server/Client, for 4 Cameras, expandable	Video Management Software, Client for one Workstation, ONVIF
Application	small to medium-sized systems, large systems, client/server architecture	small to medium-sized systems, large systems, client/server architecture
Operation system	Windows XP, Windows Vista, Windows 7 (32 Bit), Windows 7 (64Bit)	Windows XP, Windows Vista, Windows 7 (32 Bit), Windows 7 (64Bit)
Licensing type	per channel	per client
Alarm administration	yes	yes
Alarm management	eMail, OPC-Server, OPC-Client, scripting language, FTP	eMail, OPC-Server, OPC-Client, scripting language, FTP
Control units (external)	system keyboard, mouse, jog shuttle, keyboard	system keyboard, mouse, jog shuttle, keyboard
Multi monitor operation	yes	yes
Site maps	yes	yes
e-PTZ support	yes	yes
Recording format	MJPEG, MPEG4, H.264	n/a
Playback format	MJPEG, MPEG4, with Zelaris Decoder, H.264, with Zelaris Decoder	MJPEG, MPEG4, with Zelaris Decoder, H.264, with Zelaris Decoder
Recording functions	time triggered, permanent, motion detector, contact, OPC	time triggered, permanent, motion detector, contact, OPC
Supported video sources	network camera, digital video recorder, network encoder, analogue camera	network camera, digital video recorder, network encoder, analogue camera
Analysis mode	live, archive	live, archive
Analysis functions	motion detection, obstruction detection	motion detection, obstruction detection
Obstruction detection	yes	yes
Direction detection	optional	no
Object tracking	optional	no
Object classification	optional	no
Activity detection	yes	yes
OPC connection	yes	yes
Remote access	yes	yes
Managable video sources max.	4, 64 (optional)	64
ONVIF	yes	yes
Product training	available	available
Certificates	DGUV test certificate	DGUV test certificate
Comments	Extension with Zelaris SER EXT possible (see Accessories). Certificate „DGUV". 10 free clients (for Live and Playback) included, product upgrades will be found in chapter Accessories	Only in combination with Zelaris SERVER. Certificate „DGUV". Product upgrades will be found in chapter Accessories
Accessories	ZELARIS CLIENT 76103, ZELARIS SER EXT 76106, S-PRO V.2 76022, ZELARIS OPC PX 76111, ZELARIS DECODER 76108, ZELARIS OPC AL 76109, ZELARIS ANALYZE 76112, ZELARIS LPR 76113	ZELARIS SERVER 76102, S-PRO V.2 76022, ZELARIS DECODER 76108, AXIS T8310 98143

ZELARIS CONTROL
76104

Description	Video Management Software, Master Control, for 1024 Channels, ONVIF
Application	large systems, client/server architecture, Master Control
Operation system	Windows XP, Windows Vista, Windows 7 (32 Bit), Windows 7 (64Bit)
Licensing type	per client
Alarm administration	yes
Alarm management	OPC-Server, OPC-Client, FTP
Control units (external)	system keyboard, mouse, jog shuttle, keyboard
Multi monitor operation	yes
Site maps	yes
e-PTZ support	yes
Recording format	n/a
Playback format	MJPEG, MPEG4, with Zelaris Decoder, H.264, with Zelaris Decoder
Recording functions	time triggered, permanent, motion detector, contact, OPC
Supported video sources	network camera, digital video recorder, network encoder, analogue camera
Analysis mode	live, archive
Analysis functions	motion detection, obstruction detection
Obstruction detection	yes
Direction detection	no
Object tracking	no
Object classification	no
Activity detection	yes
OPC connection	yes
Remote access	yes
Managable video sources max.	16384
ONVIF	yes
Product training	available
Certificates	DGUV test certificate
Comments	Only in combination with Zelaris SERVER. Certificate „DGUV". Product upgrades will be found in chapter Accessories
Accessories	ZELARIS SERVER 76102, S-PRO V.2 76022, ZELARIS DECODER 76108, AXIS T8310 98143, ZELARIS ANALYZE 76112, ZELARIS LPR 76113, FL IL24BK-B-PAC 76028, IB IL24DI16-PAC 76029, IB IL24DO16-PAC 76031, ZELARIS OPC PX 76111, 98736

UMS PRO 204721	ZELARIS ANALYZE 202150	ZELARIS CLIENT LIMITED 202422	ZELARIS ELEMENTS 200803	RAS MOBILE 72745	RAS+ 71922
Remote Administration Interface Software for HDR Recorder	Object Analysis, Extension Module for ZELARIS, License per Channel 1-4	Video Management Software, Client for one Workstation, Live and Playback	Video Management Software, for eneo IP Cameras, max 16 cameras	PDA Remote Monitoring Software for DLR, DMR, DCR, DTR, DPR Recorders	Remote Administration Interface Software for DLR, DMR, DTR, DCR, DPR, DIR DVRs
			Accessories: ZELARIS DECODER 76108		

S-PRO V.2 76022	ZELARIS BAS EXT 76105	ZELARIS CONTROL EXT 76107	ZELARIS DECODER 76108	ZELARIS SERVER EXT 76106	ZELARIS ANALYZE 76112
Multi-button Jog & Shuttle Multimedia Controller	Extension Licence, for ZELARIS BASIC, additional 4 Cameras, max. 24 Cameras, ONVIF	Extension Licence, for ZELARIS SERVER, additional 1024 Channels, ONVIF	Decoder Licence, MPEG-4/H.264, for ZELARIS CLIENT, per Workstation	Extension Licence, for ZELARIS SERVER, additional 4 Cameras, max. 64, ONVIF	Object Analysis, Extension Module for ZELARIS, License per Channel

ZELARIS OPC AL 76109	ZELARIS OPC PX 76111
OPC Server, for Connecting ZELARIS to Central Alarm Stations	OPC Server, for Phoenix Contact Alarm Module FL IL24BK-B-PAC

Encoders | Switches

	GLS-2302H 92708	NLS-1401 93104	GLS-2104 91555
	Onvif	Onvif	
Video inputs (amount)	1	1	4
Alarm inputs	yes	yes	yes
Audio support	yes	yes	yes
Activity detection	yes	yes	yes
Resolution	720x576 (4:3), 352x288 (4:3)	704x576 ~ 160x120: 4CIF, VGA, 2CIF, CIF, SIF, QCIF, QVGA (PAL), 704x576 (4:3), 704x288 (4:3), 352x288 (4:3), 320x240 (4:3), 160x120 (4:3)	704x288 (4:3), 352x288 (4:3), 176x144 (4:3)
Compression standard	H.264, MPEG-4, M-JPEG	H.264, M-JPEG, MPEG-4	M-JPEG
Image transmission rate max.	25 fps	25 fps	25 fps
Internal storage	SD card	no	SD card, SDHC card
e-PTZ support	yes	yes	yes
Serial interfaces	RS-485	RS-485	RS-485
Password protection	yes	yes	yes
Power over Ethernet	yes	yes	no
Supply voltage	12VDC, PoE	12VDC, 24VAC, PoE	12VDC
19" Rack mountable	no	no	no
ONVIF	core specifications 1.01	core specifications 1.01	no
Accessories	ZELARIS ELEMENTS 200803	VT-PS12DC-7 70495, ZELARIS ELEMENTS 200803	GL CMS-MANAGER 92547
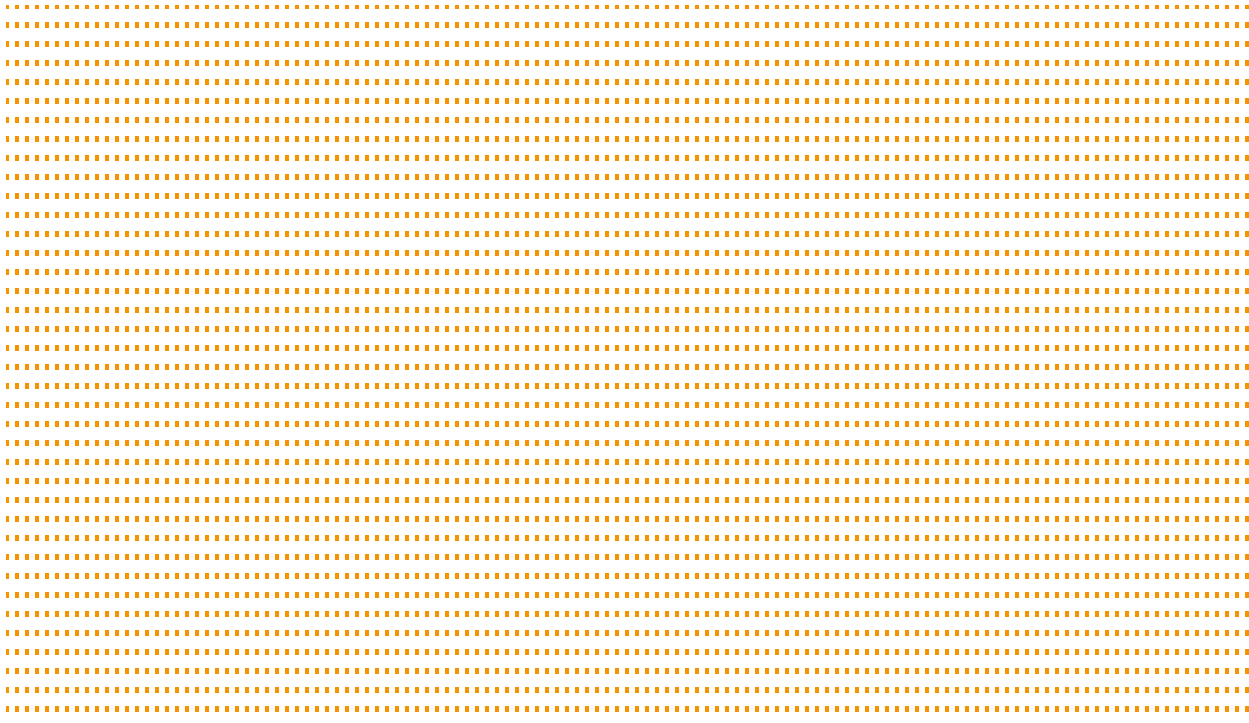
	PSA-1600U 200647	PSA-2400M 200649	PSA-2400U 200648
Switch type	Layer2 switch	Layer2 switch	Layer2 switch
Application	indoors	indoors	indoors
Model	housing	housing	housing
Ports	16	24	24
Operation mode	single mode	single- / multi mode	single mode
Management	no	browser, console	no
Quality of service	no	yes	no
Stacking	no	yes	no
VLAN	no	yes	no
Supply voltage	100~240VAC	100~240VAC	100~240VAC
Power over Ethernet	no	no	no
Mounting	19" housing, wall mount	19" housing	19" housing
Temperature range (operation)	0°C ~ +45°C	0°C ~ +45°C	0°C ~ +45°C
Blower	no	no	no
Comments	no blower, Green IT, USB for updates	no blower, Green IT, USB for updates	no blower, Green IT, USB for updates
Accessories		ESFP 1000BASE-SX 200650, ESFP 1000BASE-LX 200651, EBS-CON 200652	

PSA-SFP1000BASELX 200651	PSA-SFP1000BASESX 200650
Transceiver Module, for PSA Switches, 1000BASE-LX, 1310nm	Transceiver Module, for PSA Switches, 1000BASE-SX, 850nm

	EKR-16/4 75208	EKR-32/8 75206	EKR-8/4 75202	MMX 90556
Camera control	serial	serial	serial	serial
Video inputs (amount)	16	32	8	16
Video outputs (amount)	4	8	4	9
Video inputs loop-through	no	no	no	yes
Alarm inputs	Up to 16 (NO/NC)	up to 32	Up to 16 (NO/NC)	16x TTL, programmable as NC/NO
Alarm outputs	Relay output, 50VAC/0.3A resistive	8x Relay contact, 50VAC/0.3A resistive	Relay output, 50VAC/0.3A resistive	2x Relay output, 125VAC/0.25A or 30VDC/1A resistive
Control Interface	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Videor, Pelco D, Videotec)	RS-485 (Protocols: Fastrax IIE, Pelco P&D
Keyboard	4x keyboards max. via RS-485 interface	8x keyboards max. via RS-485 interface	4x keyboards max. via RS-485 interface	KBD-NSC-100
Menu languages	German, English, Italian, French	German, English, Italian, French	German, English, Italian, French	German, English, French, Spanish, Italian, Russian, Czech, Polish

	HDA-1002EC 200836	HDA-1010TRE 204246	HDA-1020TRB 204247
	Extender/Converter 1 x HD-SDI Input, 1 x HD-SDI Output, 1 x HDMI Output	HD-SDI Extender Transmitter-Receiver Pair, Coaxial Cable Transmission	HD-SDI Balun, Transmitter-Receiver Pair, UTP Cable Transmission
Video inputs	HD-SDI (BNC) SMPTE 292M	HD-SDI (BNC) SMPTE 292M	HD-SDI (BNC) SMPTE 292M
Video outputs	HD-SDI (BNC), HDMI	HD-SDI (BNC) SMPTE 292M	HD-SDI (BNC) SMPTE 292M
Supply voltage	12VDC	12VDC	12VDC

AVU-8/2AL-2
76406

Video Switcher 8 In/2 Outputs, Alarm Inputs, 230VAC, Desktop Housing

Accessories:
VDA/AVU-RMK1 76407, VDA/AVU-RMK2 76408

AVU-8/2EC
76405

Video Switcher 8 Inputs, 2 Outputs in Desktop Housing, 230VAC

VDA-4A
75101

Video Signal Distributor 1 Input, 4 Outputs, in Housing, 230VAC

VDA-8CA
75102

Video Signal Distributor 1-4 Inputs 2-8 Outputs, Configurable, 230VAC

Accessories:
VDA/AVU-RMK1 76407, VDA/AVU-RMK2 76408

EDC-CR1
74089

Converter RS-232/RS-485, Repeater RS-485

EGLC-3
72612

Ground-Loop Corrector, BNC/BNC

EKR-EB
75203

Expansion kit to 16 Inputs/4 Outputs for EKR-8/4

EKR-PTZFI-CB
75211

Coax Telemetry Board for EKR-PTZFI-R1 Receiver

EKR-PTZFI-R1
75209

RS-232/RS-485 Telemetry Preset Receiver 230VAC, for P/T Heads 24V/230VAC

Accessories:
EKR-PTZFI-CB 75211

EKR-PTZFI-R2
75212

RS-232/RS-485/Coax Telemetry Receiver for 230VAC Input and P/T Heads

LINE DRIVER
71003

Gender Adapter RS232C/RS485 + DB9/DB25

PDU-1
72441

Protocol distributor 1/8 in Desktop Housing, Unidirectional, 2VDC/230VAC

VAM-2
72686

Video/Audio HF-Modulator, AV Signal Converting into UHF, 12VDC/230VAC

VCQ-6057
72614

Colour Quad Splitter, 1024x625, Alarm In/Outputs, 12VDC/230VAC, 1/2 19"

Accessories:
VQ6056/6044RMK1 72556,
VQ6056/6044RMK2 72557, VBQ6044/VCQ6056 72284

HDA-1001E
200818

Repeater HD-SDI, 1 x HD-SDI Input, 1 x HD-SDI Output

Accessories:
VT-PS12DC-1103658

HDA-1004D
200817

Distributor HD-SDI, 1 x HD-SDI Input, 4 x HD-SDI Outputs

	VZS-4/M1 70564	VZS-4/M2 70567	VZS-5 70517	VZS-6 70599
Type of unit	transmitter	transmitter	transmitter	transmitter
Operation mode	active	active	active	active
Range	850 m	1000 m	850 m	850 m
Signal transmission	video	video	video	video
Model	module	module	housing	mini module
Weatherproof	no	no	yes	no

	VZT-21A/RJ45 75801	VZT-21B/TB 75802	VZT-21C/RJ45 75803	VZE-4/M2 70568
Type of unit	transmitter / receiver	transmitter / receiver	transmitter / receiver	receiver
Operation mode	passive	passive	passive	active
Range	400 m	400 m	50 m	n/a
Signal transmission	video	video	video, voltage	video
Model	mini module	mini module	mini module	module
Weatherproof	no	no	no	no

	VZE-5 70519	VZZ-4/M2 70569	VZZ-5 70518
Type of unit	receiver	amplifier	amplifier
Operation mode	active	active	active
Range	n/a	850 m	850 m
Signal transmission	video	video	video
Model	housing	module	housing
Weatherproof	yes	no	yes

Highlights

RECORDING > DIGITAL VIDEO RECORDERS

PNR-5216

16 channel Full HD real time network recorder +++ Video compressions: H.264, MPEG-4, MJPEG +++ Integrated user interface (Inex Client) +++ Cascadable up to 8 units (256 channels) +++ System compatible to analogue eneo D series DVRs +++ Management of multiple PNR and D series DVRs (max.256) +++ Multi tab based user interface (15 tabs) +++ Standalone unit, local control via PC-KBD and mouse +++ Two independent local monitor outputs (1x VGA, 1x DVI) +++ Digital PTZ, multiview display +++ Data export via USB +++ Up to 4 Sata HDD intern +++ ONVIF compatible

Art.: 202562 Network Video Recorder, 16x IP Channels, 1920x1080, 400fps, 1TB, H264, MPEG-4, M-JPEG,DVI, D-Sub

RECORDING > DIGITAL VIDEO RECORDERS

HDR-4082AH1.0

Pentaplex operation +++ H.264 video compression standard +++ Hybrid, 2x HD-SDI, 8x analogue BNC inputs +++ Recording speed: 50fps @ 1920x1080, 200fps @ D1 +++ Video output resolution: 1920x1080 +++ HDMI and VGA outputs +++ Network: 10/100/1000 Base-T Ethernet port +++ Archiving via USB 2.0 +++ Storage capacity: 8TB (4 HDDs max.) +++ Digital zoom during live & playback +++ Browser & 3G mobile access +++ IR remote control and mouse control

Art.: 203354 Digital Video Recorder, Hybrid, 2x HD-SDI, 8x D1, H.264, 1TB, 1920x1080

	BLR-3004/500DV 72964	DLR-1004/500V 72977	DLR-2004/500V 72995	DLR4B-04/500D 200442
Channels Video/Audio	4/-	4/-	4/-	4/4
Resolution max.	704x576	704x576	704x576	704x576
Max. recording rate	100 fps @ 704 x 288	100 fps @ 352 x 288	100 fps @ 352 x 288	100 fps @ 704 x 288
Operation mode	Quadplex	Quadplex	Quadplex	Pentaplex
Integrated writer	DVD	no	no	DVD
HHD (integral)/(max.)	0,5/4 TB	0,5/2 TB	0,5/2 TB	0,5/6 TB
Number of HDD (internal)	max. 2 x SATA	1x SATA HDD, not extentable	1x SATA HDD, not extentable	max. 3 x SATA
Compression standard	H.264	H.264	H.264	H.264
Storage interfaces	USB	USB	USB	USB
Main video outputs	DVI, composite (CVBS)	VGA, CVBS	1x composite (CVBS), 1x VGA	VGA, composite (CVBS)
Playback	full screen, 4 channel split, split sequence	full screen, 4 channel split	full screen, 4 channel split	full screen, 4 channel split, PiP
Spot monitor	1x composite (CVBS)	no	no	composite (CVBS)
Recording	permanent, timer, movement, contact, panic	permanent, movement, timer, event	permanent, contact, movement, timer, event	permanent, movement, timer, panic, event
Recording speed	50 fps @ 704 x 576, 100 fps @ 352 x 288	100 fps @ 352 x 288, 50 fps @ 704 x 288	100 fps @ 352 x 288, 50 fps @ 704 x 288, 25 fps @ 704 x 576	100 fps @ 352 x 288, 100 fps @ 704 x 288, 50 fps @ 704 x 576
Digital signature	watermark	watermark	watermark	watermark
Alarm inputs	4x TTL, programmable as NC/NO	no	4x TTL, programmable as NC/NO	4x TTL, programmable as NC/NO
Alarm outputs	1x NO/NC contact	no	1x NO/NC contact	1x NO/NC contact
Alarm triggers	video loss, motion detection, contact, change of configuration, disk error, acoutic	video loss, motion detection	contact, video loss, motion detection, system and disk fail, on-screen and/or via alarm output, acoutic	on system and disk fail, acoutic
Alarm notification	e-mail notification	e-mail, remote software	e-mail, remote software	e-mail, remote software (RASplus), callback
Password protection	administrator, manager and users	yes	64 groups, 256 users	64 groups, 256 users
Serial interfaces	RS-485	no	RS-232, RS-485	RS-485, RS-232
Remote access	Microsoft Internet Explorer, Mozilla Firefox (live image only), Opera (live image only), Safari (live image only), iPhone (live image only), Android (live image only), BlackBerry (live image only)	remote software, Microsoft Internet Explorer	remote software, Microsoft Internet Explorer	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Blackberry, Android OS	iPhone, PDA	iPhone, PDA	iPhone, PDA
Control units (external)	mouse	mouse	system keyboard, mouse	system keyboard, mouse
Accessories	DTR-MOUSE 71902, HDD-2000SATA 72998	HDD-2000SATA 72998, DTR-MOUSE 71902	KBD-2 74149, KBD-NSC-100 74746, DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-NSC-100 74746, KBD-2 74149, DTR-MOUSE 71902, HDD-2000SATA 72998

	BLR-3008/500DV 72967	DLR-2008/500V 72996	DLR4B-08/500DV 200445	IDR-2008H1.0 204289
				NEW
Channels Video/Audio	8/-	8/-	8/-	8/16
Resolution max.	704x576	704x576	704x576	960x582
Max. recording rate	200 fps @ 352 x 288	200 fps @ 352 x 288	200 fps @ 704 x 288	200 fps @ 960 x 582 (H960)
Operation mode	Quadplex	Quadplex	Pentaplex	Pentaplex
Integrated writer	DVD	no	DVD	no
HHD (integral)/(max.)	0,5/4 TB	0,5/2 TB	0,5/6 TB	1/12 TB
Number of HDD (internal)	max. 2 x SATA	1x SATA HDD, not extentable	max. 3 x SATA	max. 4 x SATA
Compression standard	H.264	H.264	H.264	H.264
Storage interfaces	USB	USB	USB	eSATA, USB
Main video outputs	DVI, composite (CVBS)	1x composite (CVBS), 1x VGA	VGA, composite (CVBS)	HDMI, VGA, composite (CVBS)
Playback	full screen, 4 channel split, 6 channel split, 8 channel split, split sequence	full screen	full screen, 4 channel split, 8 channel split, PiP	full screen, 4 channel split, 9 channel split
Spot monitor	1x composite (CVBS)	no	composite (CVBS)	composite (CVBS)
Recording	permanent, timer, movement, contact, panic	permanent, contact, movement, timer, event	permanent, movement, timer, panic, event	permanent, timer, movement, contact, manual
Recording speed	50 fps @ 704 x 576	200 fps @ 352 x 288, 100 fps @ 704 x 288, 50 fps @ 704 x 576	200 fps @ 352 x 288, 200 fps @ 704 x 288, 100 fps @ 704 x 576	200 fps @ 960 x 582 (H960), 200 fps @ 704 x 576, 200 fps @ 704 x 288, 200 fps @ 352 x 288
Digital signature	watermark	watermark	watermark	watermark
Alarm inputs	4x TTL, programmable as NC/NO	8x TTL, programmable as NC/NO	8x TTL, programmable as NC/NO	8 Alarm inputs individually programmable for NO or NC contacts
Alarm outputs	1x NO/NC contact	1x NO/NC contact	2x NO/NC contact	4x NO/NC contact
Alarm triggers	video loss, motion detection, contact, change of configuration, disk error, acoutic	contact, video loss, motion detection, system and disk fail, on-screen and/or via alarm output, acoutic	eystem error, disk error, acoutic	disk error, motion detection, contact, video loss
Alarm notification	e-mail notification	e-mail, remote software	e-mail, remote software (RASplus), callback	e-mail notification, alarm output
Password protection	administrator, manager and users	64 groups, 256 users	64 groups, 256 users	administrator & users
Serial interfaces	RS-485	RS-232, RS-485	RS-485, RS-232	RS-485
Remote access	Microsoft Internet Explorer, Mozilla Firefox (live image only), Opera (live image only), Safari (live image only), iPhone (live image only), Android (live image only), BlackBerry (live image only)	remote software, Microsoft Internet Explorer	remote software, Microsoft Internet Explorer	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Blackberry, Android OS	iPhone, PDA	iPhone, PDA	iPhone, Android OS, Blackberry
Control units (external)	mouse	system keyboard, mouse	system keyboard, mouse	mouse, remote control, keyboard
Accessories	DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-2 74149, KBD-NSC-100 74746, DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-NSC-100 74746, KBD-2 74149, DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-2 74149, HDD-2000SA-TA 72998

	BLR-3016/500DV 72971	DLR-2016/500V 72997	DLR4B-16/500DV 200448	IDR-2016H1.0 204290
				NEW
Channels Video/Audio	16/-	16/-	16/-	16/16
Resolution max.	704x576	704x576	704x576	960x582
Max. recording rate	400 fps @ 352 x 288	400 fps @ 352 x 288	400 fps @ 352 x 288	400 fps @ 960 x 582 (H960)
Operation mode	Quadplex	Quadplex	Pentaplex	Pentaplex
Integrated writer	DVD	no	DVD	no
HHD (integral)/(max.)	0,5/4 TB	0,5/2 TB	0,5/6 TB	1/12 TB
Number of HDD (internal)	max. 2 x SATA	1x SATA HDD, not extentable	max. 3 x SATA	max. 4 x SATA
Compression standard	H.264	H.264	H.264	H.264
Storage interfaces	USB	USB	USB	eSATA, USB
Main video outputs	DVI, composite (CVBS)	1x composite (CVBS), 1x VGA	VGA, composite (CVBS)	HDMI, VGA, composite (CVBS)
Playback	full screen, 4 channel split, 6 channel split, 8 channel split, 9 channel split, 16 channel split, split sequence	full screen, PiP	full screen, 4 channel split, 9 channel split, 16 channel split, PiP	full screen, 4 channel split, 9 channel split, 16 channel split
Spot monitor	1x composite (CVBS)	no	composite (CVBS)	composite (CVBS)
Recording	permanent, timer, movement, contact, panic	permanent, contact, movement, timer, event	permanent, movement, timer, panic, event	permanent, timer, movement, contact, manual
Recording speed	100 fps @ 704 x 576, 200 fps @ 704 x 288, 400 fps @ 352 x 288	400 fps @ 352 x 288, 200 fps @ 704 x 288, 100 fps @ 704 x 576	400 fps @ 352 x 288, 200 fps @ 704 x 288, 100 fps @ 704 x 576	400 fps @ 960 x 582 (H960), 400 fps @ 704 x 576, 400 fps @ 704 x 288, 400 fps @ 352 x 288
Digital signature	watermark	watermark	watermark	watermark
Alarm inputs	4x TTL, programmable as NC/NO	16x TTL, programmable as NC/NO	16x TTL, programmable as NC/NO	16x TTL, programmable as NC/NO
Alarm outputs	1x NO/NC contact	1x NO/NC contact	2x NO/NC contact	4x NO/NC contact
Alarm triggers	video loss, motion detection, contact, change of configuration, disk error, acoutic	contact, video loss, motion detection, system and disk fail, on-screen and/or via alarm output, acoutic	eystem error, disk error, acoutic	disk error, motion detection, contact, video loss
Alarm notification	e-mail notification	e-mail, remote software	e-mail, remote software (RASplus), callback	e-mail notification, alarm output
Password protection	administrator, manager and users	64 groups, 256 users	64 groups, 256 users	administrator & users
Serial interfaces	RS-485	RS-485, RS-232	RS-485, RS-232	RS-485
Remote access	Microsoft Internet Explorer, Mozilla Firefox (live image only), Opera (live image only), Safari (live image only), iPhone (live image only), Android (live image only), BlackBerry (live image only)	remote software, Microsoft Internet Explorer	remote software, Microsoft Internet Explorer	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Blackberry, Android OS	iPhone, PDA	iPhone, PDA	iPhone, Android OS, Blackberry
Control units (external)	mouse	system keyboard, mouse	system keyboard, mouse	mouse, remote control, keyboard
Accessories	DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-2 74149, KBD-NSC-100 74746, DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-NSC-100 74746, KBD-2 74149, DTR-MOUSE 71902, HDD-2000SATA 72998	KBD-2 74149, HDD-2000SA-TA 72998

	PNR-5104 204193	PNR-5108 204192	PNR-5116 202563	PNR-5216 202562
	NEW	NEW	NEW	NEW
IP channels	4	8	16	16
Compression standard	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4	H.264, M-JPEG, MPEG-4
Operation system	Linux embedded	Linux embedded	Linux embedded	Windows XP embedded
Max. recording resolution	1920x1080	1920x1080	1920x1080	1920x1080
	100 fps@1920 x 1080	200 fps@1920 x 1080	400 fps@1920 x 1080	400 fps@1920 x 1080
Recording	permanently, event	permanently, event	permanently, event	permanently, event
Display	no	no	64 fps @ 1920x1080, 400 fps @ 720x576	no
HHD (integral)/(max.)	1 TB/4 TB	1 TB/4 TB	1 TB/4 TB	1 TB/8 TB
Secondary Storage	no	no	no	USB-port external HDD
Audio input	no	no	no	1x line in (1Vpp), Cinch connector
Audio output	no	no	no	line output
Remote access	remote software	remote software	remote software	remote software
USB ports	1x USB 2.0	1x USB 2.0	1x USB 2.0	8x USB 2.0
Monitor outputs	no	no	no	VGA
Network	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45	10/100/1000 Base-Tx, RJ45
Network protocols	DHCP	DHCP	DHCP	DHCP
Control units (external)	no	no	no	mouse, keyboard, keyboard
ONVIF	yes	yes	yes	yes
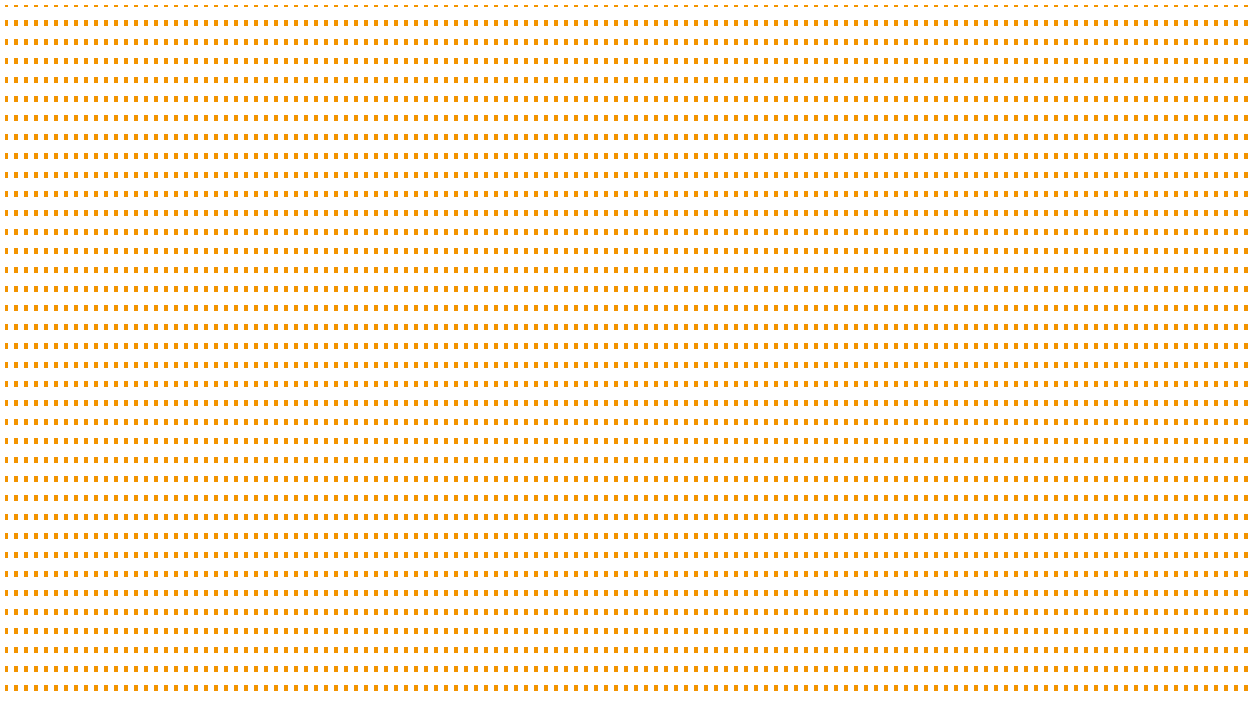
	HDR-4008AE1.0 203036	HDR-4004AM1.0 200816	HDR-4004AE1.0 200815	HDR-4016AE1.0 203037
Series	HDcctv NEW	HDcctv	HDcctv	HDcctv NEW
Channels Video/Audio	8/8	4/4	4/4	16/16
Resolution max.	1920x1080	1920x1080	1920x1080	1920x1080
Max. recording rate	120 fps @ 640x360	100 fps @ 1920 x 1080	60 fps @ 640x360	240 fps @ 640x360
Recording speed	40 fps @ 1920x1080, 80 fps @ 1920x540, 96 fps @ 1280x720, 120 fps @ 640x360	100 fps @ 1920x1080, 100fps @ 192x540, 100 fps @ 1280x720, 100 fps @ 640x360	20 fps @ 1920x1080, 40 fps @ 1920x540, 48 fps @ 1280x720, 100 fps @ 640x360	80 fps @ 1920x1080, 112 fps @ 1920x540, 192 fps @ 1280x720, 240 fps @ 640x360
Operation mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex
HHD (integral)/(max.)	1 TB/4 TB	1 TB/8 TB	1 TB/4 TB	1 TB/8 TB
Number of HDD (internal)	max. 2 x SATA	max. 4 x SATA	max. 2 x SATA	max. 4 x SATA
Compression standard	H.264	H.264	H.264	H.264
Storage interfaces	eSATA	eSATA	eSATA	eSATA
Main video outputs	HDMI, VGA	HDMI, VGA, HD-SDI, HD-SDI (BNC) SMPTE 292M standard	HDMI, VGA	HDMI, VGA, HD-SDI (BNC) SMPTE 292M standard
Playback	full screen, quad	full screen, quad	full screen, quad	full screen, quad
Spot monitor	no	no	no	no
Recording	permanent, timer, movement, manual, contact	permanent, timer, movement, manual, contact	permanent, timer, movement, manual, contact	permanent, timer, movement, manual, contact
Digital signature	watermark	watermark	watermark	watermark
Alarm inputs	8x TTL, programmable as NC/NO	4x TTL, programmable as NC/NO	4x TTL, programmable as NC/NO	Up to 16 (NO/NC)
Alarm outputs	2x Relais contacts (terminal block)	1x NO/NC contact	Relay contact (NO/NC)	2x Relais contacts (terminal block)
Alarm notification	e-mail notification, alarm output	e-mail notification, alarm output	e-mail notification, alarm output	e-mail notification, alarm output
Password protection	administrator & users	administrator & users	administrator & users	administrator & users
Serial interfaces	RS-485, RS-232	RS-485, RS-232	RS-485, RS-232	RS-485, RS-232
Remote access	Microsoft Internet Explorer, remote software	Microsoft Internet Explorer, remote software	Microsoft Internet Explorer, remote software	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Android OS, Blackberry	iPhone, Android OS, Blackberry	iPhone, Android OS, Blackberry	iPhone, Android OS, Blackberry
Control units (external)	mouse, remote control, keyboard	mouse, remote control, keyboard	mouse, remote control, keyboard	mouse, remote control, keyboard
Accessories	HDD-2000SATA 72998, KBD-2 74149	HDD-2000SATA 72998, KBD-2 74149	HDD-2000SATA 72998, KBD-2 74149	HDD-2000SATA 72998, KBD-2 74149

	HDR-4082AH1.0 203354
Series	NEW
Channels Video/Audio	10/10
Resolution max.	1920x1080p
Max. recording rate	250 fps
Recording speed	50 fps @ 1920x1080, 50 fps @ 1920x540, 50fps @ 1280x720, 50fps @ 640x360, 200 fps @ 704 x 576, 200 fps @ 704 x 288, 200 fps @ 352 x 288
Operation mode	Pentaplex, Hybrid
HHD (integral)/(max.)	1 TB/8 GB
Number of HDD (internal)	max. 4 x SATA
Compression standard	H.264
Storage interfaces	eSATA
Main video outputs	HDMI, VGA
Playback	full screen, quad, 10 channel split
Spot monitor	4x composite (CVBS)
Recording	permanent, timer, movement, manual, contact
Digital signature	watermark
Alarm inputs	10
Alarm outputs	4x NO/NC contact
Alarm notification	e-mail notification, alarm output
Password protection	administrator & users
Serial interfaces	RS-485, RS-232
Remote access	Microsoft Internet Explorer, remote software
Mobile access	iPhone, Android OS, Blackberry
Control units (external)	mouse, remote control, keyboard
Accessories	HDD-2000SATA 72998, KBD-2 74149

Highlights

VMC-32LED

32" (81cm) Full HD LCD/TFT monitor +++ Resolution 1920 x 1080, 16:9 +++ LED backlight technology +++ 3D comb filter, de-interlace & noise reduction +++ Anti-burn pixel protection +++ HDMI-, DVI-, VGA-, composite inputs +++ Stereo audio inputs +++ User friendly multi language OSD +++ Metal cabinet including stand +++ Quick signal switching +++ Optical glass hardness = 6,5H

Art.: 200875 32" (81cm) LCD/TFT Monitor Full HD, 1920x1080, 3D-Comb Filter, HDMI, VGA

VMC-22LED

21,5" (54,6 cm) Full HD LCD/TFT monitor +++ Resolution 1920 x 1080, 16:9 +++ LED backlight technology +++ 3D comb filter, de-interlace & noise reduction +++ Line shift anti-burn pixel protection +++ HDMI, DVI-D, VGA, Y/C, composite inputs +++ Stereo audio inputs +++ User friendly multi language OSD +++ Metal cabinet with tilt back

Art. 203926 21.5" (54,6cm) LCD/TFT Monitor Full HD, 1920x1080, 3D-Comb Filter, HDMI, VGA

	VMC-5.6/2-LCD 90567	VMC-5.6/2S-LCD 90569	VMC-6.4/2-MM1 90518	VMC-6.4LCD-P1 90511
Screen size	5.6"/14.3 cm	5.6"/14.3 cm	6.4"/16.3 cm	6.4"/16.3 cm
Resolution pixels	640x480	640x480	320x234	320x234
Audio inputs	2	2	no	1
Viewing angle h/v	140°/120°	140°/120°	120°/95°	120°/95°
Brightness typical	200cd/m²	200cd/m²	330cd/m²	330cd/m²
Contrast ratio typical	500:1	500:1	350:1	350:1
Response time typical	25ms	25ms	40ms	40ms
Video inputs (type)	composite (CVBS)	composite (CVBS)	composite (CVBS)	composite (CVBS)
Comb filter	no	no	no	no
Housing material/Colour	plastic/anthracite	plastic/anthracite	metal/silver grey	plastic/anthracite
Supply voltage	12 ~ 30VDC	12 ~ 24VDC	12VDC (+/-10%)	12VDC +/-10%
Accessories	A14 83450		VT-PS12DC-8 70535	

	VMC-8LCD-CM01B 203450	VMC-8LCD-CP01B 203669	VMC-10.4LCD-CM 90489	VMC-10.4LCD-CP 90438
	NEW	NEW		
Screen size	8"/20.3 cm	8"/20.3 cm	10.4"/26.4 cm	10.4"/26.4 cm
Resolution pixels	1024x768	1024x768	800x600	800x600
Audio inputs	no	1	no	1
Viewing angle h/v	140°/130°	140°/135°	110°/80°	110°/80°
Brightness typical	250cd/m²	250cd/m²	220cd/m²	220cd/m²
Contrast ratio typical	500:1	500:1	400:1	400:1
Response time typical	50ms	50ms	40ms	45ms
Video inputs (type)	composite (CVBS), VGA	composite (CVBS), VGA	VGA, composite (CVBS)	Y/C, VGA, composite (CVBS)
Comb filter	no	no	no	no
Housing material/Colour	metal/black	plastic/silver grey	metal/black	plastic/silver grey
Supply voltage	12VDC +/-5% (Power supply unit included), 12 ~ 24VDC	12VDC +/-5% (Power supply unit included)	12VDC +/-5% (Power supply unit included)	12VDC +/-5% (Power supply unit included)
Accessories	VMC-LCD/WMB-1 90426, VMC-LCD/WCMB-1 90394	VMC-LCD/8-10MP 90453, VMC-LCD/WMB-1 90426, VMC-LCD/WCMB-1 90394	LCD-ST/CM1 90491, VMC-LCD/WCMB-1 90394, VMC-LCD/WMB-1 90426, VMC-LCD/WMB-4 90468, UNO 90505	VMC-LCD/8-10MP 90453, VMC-LCD/WMB-1 90426, VMC-LCD/WCMB-1 90394

	VMC-17LCD-HMPG1 90558	VMC-17LCD-HPPG1 90561	VMC-17LCDOPC3 202217	VMC-19LCD-HMPG1 90559
Screen size	17"/43 cm	17"/43 cm	17"/43 cm	19"/48 cm
Resolution pixels	1280x1024	1280x1024	1280x1024	1280x1024
Audio inputs	2	2	2	2
Viewing angle h/v	160°/160°	160°/160°	160°/160°	160°/160°
Brightness typical	250cd/m²	250cd/m²	250cd/m²	250cd/m²
Contrast ratio typical	1000:1	1000:1	800:1	1000:1
Response time typical	5ms	5ms	5ms	5ms
Video inputs (type)	Y/C, VGA, HDMI, composite (CVBS)	Y/C, VGA, HDMI, composite (CVBS)	Y/C, VGA, composite (CVBS), HDMI	Y/C, VGA, HDMI, composite (CVBS)
Comb filter	yes	yes	yes	yes
Housing material/Colour	metal/anthracite	plastic/anthracite	ABS plastic/black	metal/anthracite
Supply voltage	12VDC (±0.5V)	12VDC (±0.5V)	12VDC +/-5% (PSU 100V~240VAC included)	12VDC (±0.5V)
Accessories	LCD-ST/HM 90553, VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/WCMB-1 90394, VMC-LCD/CMB-1 90449, LCD-17P-RMK 90397	VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/WCMB-1 90394, VMC-LCD/CMB-1 90449	VMC-LCD/WCMB-1 90394, VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/CMB-1 90449	LCD-ST/HM 90553, VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/WCMB-1 90394, VMC-LCD/CMB-1 90449, LCD-19P-RMK 90475, LCD-19P-RMK 90475

	VMC-19LCD-HPPG1 90562	VMC-19LCDOPC3 202218
		NEW
Screen size	19"/48 cm	19"/48 cm
Resolution pixels	1280x1024	1280x1024
Audio inputs	2	2
Viewing angle h/v	160°/160°	160°/160°
Brightness typical	250cd/m²	250cd/m²
Contrast ratio typical	1000:1	800:1
Response time typical	5ms	5ms
Video inputs (type)	Y/C, VGA, HDMI, composite (CVBS)	Y/C, VGA, composite (CVBS), HDMI
Comb filter	yes	yes
Housing material/Colour	plastic/anthracite	ABS plastic/black
Supply voltage	12VDC (±0.5V)	12VDC +/-5% (PSU 100V~240VAC included)
Accessories	VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/WCMB-1 90394, VMC-LCD/CMB-1 90449	VMC-LCD/WCMB-1 90394, VMC-LCD/WMB-4 90468, UNO 90505, VMC-LCD/CMB-1 90449

	VMC-22LED 203926	VMC-27LED 200874	VMC-32LED 200875	VMC-42LCD 200117
	NEW			
Screen size	21.5"/54.6 cm	27"/68,6 cm	32"/81.3 cm	42"/106 cm
Resolution pixels	1920x1080p	1920x1080	1920x1080	1920x1080
Audio inputs	2	1	1	3
Viewing angle h/v	170°/160°	178°/178°	178°/178°	178°/178°
Brightness typical	250cd/m²	300cd/m²	400cd/m²	500cd/m²
Contrast ratio typical	1000:1	5000:1	4000:1	1000:1
Response time typical	5ms	12ms	6.5ms	9ms
Video inputs (type)	2x composite (CVBS), 2x HDMI, VGA, DVI-D, S-Video, component (YPbPr)	2x composite (CVBS), HDMI, VGA, DVI-D, Y/C	2x composite (CVBS), HDMI, VGA, DVI-D, Y/C	2x composite (CVBS), Y/C, VGA, DVI-D, 2x HDMI
Comb filter	yes	yes	yes	yes
Housing material/Colour	metal/black	metal/black	metal/black	metal/black
Supply voltage	100 ~ 240VAC, 50/60Hz	12VDC (PSU 100~240VAC included)	24VDC (PSU 100V ~ 240VAC, 50/60Hz suplied)	100 ~ 240VAC, 50/60Hz

PUBLIC VIEW MONITOR	VMC-26LCD-PW1 90552
Video inputs (amount)	4
Audio inputs	2
Serial interfaces	no
Screen size	26"
Resolution pixels	1366x768
Response time typical	8 ms
Integrated writer	no
Remote access	no
Control units (external)	remote control
Supply voltage	24VDC (PSU included)
Comments	Full screen and high resolution quad display
Accessories	LCD-ST/PW23 90477, VMC-LCD/WMB-3 90448, VMC-LCD/CMB-2 90485

MANUAL	F0412M-NFS 47157	F0312M-NFS 47156	F0212M-NFS 47162	H02625M 40073
Lens type	1/3" fixed focal length	1/3" fixed focal length	1/3" fixed focal length	1/3" fixed focal length
Day/Night/Megapixel	no/no	yes/no	yes/no	no/no
Aperture range (F)	F1,2~C	F1,2~C	F1,2~C	F2,5
Focal length	4 mm	2,8 mm	5,5 mm	2,6 mm
Horizontal angle of view	65,6 °	93,2 °	118,6 °	86 °
Mount	CS	CS	CS	M12x0.5mm
MOD	0,2 m	0,2 m	0,1 m	n/a
Filter screw size	not available	not available	not available	n/a

MANUAL	F0812M-NFS 47159	F0612M-NFS 47158	H0225M 40059	F03Z04M 43212
Lens type	1/3" fixed focal length	1/3" fixed focal length	1/3" fixed focal length	1/3" varifocal
Day/Night/Megapixel	yes/no	yes/no	no/no	no/no
Aperture range (F)	F1,2~C	F1,2~C	F2,5	F1,4~C
Focal length	8 mm	6 mm	2,5 mm	2,8-12 mm
Horizontal angle of view	34,5 °	46,5 °	90 °	97,4-24,1 °
Mount	CS	CS	M12x0.5mm	CS
MOD	0,2 m	0,2 m	n/a	0,3 m
Filter screw size	not available	not available	n/a	not available

MANUAL	F02Z02M 43198	F05Z10M-MP 43263	F03Z2.710M-MP 43261	F03Z2.6M-NFSHR 43275
Lens type	1/3" varifocal	1/3" varifocal	1/3" varifocal	1/3" varifocal
Day/Night/Megapixel	no/no	no/yes	no/yes	yes/no
Aperture range (F)	F1,6~C	F1,4~C	F1,0~C	F1,0~C
Focal length	1,8-3,6 mm	5-50 mm	3-8 mm	3-8 mm
Horizontal angle of view	144,2-79,4 °	53,8-5,5 °	92,5-35,4 °	92,5-35,4 °
Mount	CS	CS	CS	CS
MOD	0,2 m	1 m	1 m	0,3 m
Filter screw size	not available	not available	not available	not available

MANUAL	F05Z10M 43195	A0314M1 43071	A1214M1 43067	G04Z03M-NFS 43252
Lens type	1/3" varifocal	1/2" fixed focal length	1/2" fixed focal length	1/2" varifocal
Day/Night/Megapixel	no/no	no/no	no/no	yes/no
Aperture range (F)	F1,4~C	F1,4~C	F1,4~C	F1,2~F16 (C)
Focal length	5-50 mm	3,5 mm	12 mm	4,5-12,5 mm
Horizontal angle of view	53,6-5,6 °	103,6 °	30 °	83,7-30,1 °
Mount	CS	C	C	CS
MOD	1,0 m	0,2 m	0,3 m	0,3 m
Filter screw size	not available	M30.5x0.5mm	M30.5x0.5mm	not available

MANUAL	G04Z02M 202734	A10Z04M-NFS 43269	A04Z12M-MP 43271	A09Z10-NFS-MP 43273
Lens type	1/2" varifocal	1/2" varifocal	1/2" varifocal	1/2" varifocal
Day/Night/Megapixel	no/no	yes/no	no/yes	yes/yes
Aperture range (F)	F1,8~C	F1,4~C	F1,4~C	F1,8~F360
Focal length	4-10 mm	10-40 mm	4-12 mm	9-90 mm
Horizontal angle of view	94,8-37,8 °	37,5-9,2 °	100,5-33,4 °	41,4-4,2 °
Mount	CS	C	C	C
MOD	0,3 m	0,5 m	0,3 m	0,3 m
Filter screw size	not available	not available	not available	M43x0.75mm

MANUAL	B5028MV-MP 42008	B2514MV-MP 42005	B1614MV-MP 42003	B45Z03MV-MP 42012
Lens type	2/3" fixed focal length	2/3" fixed focal length	2/3" fixed focal length	2/3" varifocal
Day/Night/Megapixel	no/yes	no/yes	no/yes	no/yes
Aperture range (F)	F2,8~F22	F1,4~F16	F1,4~F16	F4,5~C
Focal length	50 mm	25 mm	16 mm	45-160 mm
Horizontal angle of view	9,6 °	19,6 °	30 °	11,8-2,78 °
Mount	C	C	C	C
MOD	0,2 m	0,2 m	0,26 m	0,0899 m
Filter screw size	M27x0.5mm	M27x0.5mm	M25.5x0.5mm	M34x0.5mm

MANUAL	B18Z06MA1 47144	C0814MV-MP 42039
Lens type	2/3" zoom	1" fixed focal length
Day/Night/Megapixel	no/yes	no/yes
Aperture range (F)	F2,5~C	F1,4~F16
Focal length	18-108 mm	8 mm
Horizontal angle of view	34-6 °	79,7 °
Mount	C	C
MOD	0,1 m	0,1 m
Filter screw size	M52x0.75mm	M55x0.75mm

DC (INCL. MOTORZOOM)	F0612NDDC-NFS 47149	F0812NDDC-NFS 47154	F0412NDDC-NFS 47148	F0212NDDC-NFS 47161
Lens type	1/3" fixed focal length	1/3" fixed focal length	1/3" fixed focal length	1/3" fixed focal length
Day/Night/Megapixel	yes/no	yes/no	yes/no	yes/no
Aperture range (F)	F1,2~F260	F1,2~F280	F1,2~F360	F1,2~F280
Focal length	6 mm	8 mm	4 mm	2,2 mm
Horizontal angle of view	46,5 °	34,5 °	65,6 °	118,6 °
Mount	CS	CS	CS	CS
MOD	0,2 m	0,2 m	0,2 m	0,1 m
Filter screw size	not available	not available	not available	not available

DC (INCL. MOTORZOOM)	F0312NDDC-NFS 47147	F04Z0310NDDC 43214	F03Z04NDDC-NFS 43237	F03Z2.710NDDCMP 43262
Lens type	1/3" fixed focal length	1/3" varifocal	1/3" varifocal	1/3" varifocal
Day/Night/Megapixel	yes/no	no/no	yes/no	no/yes
Aperture range (F)	F1,2~F360	F1,0~F260	F1,4~F260	F1,0~F250
Focal length	2,8 mm	3,5-10,5 mm	2,8-11 mm	3-8 mm
Horizontal angle of view	93,2 °	81,6-27,2 °	97,4-26,2 °	92,5-35,4 °
Mount	CS	CS	CS	CS
MOD	0,2 m	0,3 m	0,3 m	1 m
Filter screw size	not available	not available	not available	not available

DC (INCL. MOTORZOOM)	F07Z07NDDC-NFS 43249	F20Z05NDDC 43247	F05Z10NDDC 43196	F05Z10NDDC-MP 43264
Lens type	1/3" varifocal	1/3" varifocal	1/3" varifocal	1/3" varifocal
Day/Night/Megapixel	yes/no	no/no	no/no	no/yes
Aperture range (F)	F1,3~F240	F1,6~F270	F1,4~F260	F1,4~F260
Focal length	7,5-50 mm	20-100 mm	5-50 mm	5-50 mm
Horizontal angle of view	36,6-5,64 °	14-2,8 °	53,6-5,6 °	53,8-5,5 °
Mount	CS	CS	CS	CS
MOD	0,4 m	1,0 m	1,0 m	1 m
Filter screw size	not available	not available	not available	not available

DC (INCL. MOTORZOOM)	F03Z04NDDC 43213	F02Z02NDDC 43199	F02Z02M-MP 43258	F02Z02NDDC-MP 43259
Lens type	1/3" varifocal	1/3" varifocal	1/3" varifocal	1/3" varifocal
Day/Night/Megapixel	no/no	no/no	no/yes	no/yes
Aperture range (F)	F1,4~F270	F1,6~F360	F1,2~C	F1,2~F360
Focal length	2,8-12 mm	1,8-3,6 mm	2,4-6 mm	2,4-6 mm
Horizontal angle of view	97,4-24,1 °	144,2-79,4 °	111,3-47,1 °	111,3-47,1 °
Mount	CS	CS	CS	CS
MOD	0,3 m	0,2 m	0,3 m	0,3 m
Filter screw size	not available	not available	not available	not available

DC (INCL. MOTORZOOM)	F03Z2.6DC-NFSHR 43274	F06Z08NDDC 47419	F06Z10NDDC-1 41114	F06Z10NDDCPO 40239
Lens type	1/3" varifocal	1/3" zoom	1/3" zoom	1/3" zoom with potentio-meters
Day/Night/Megapixel	yes/no	no/no	no/no	no/no
Aperture range (F)	F1,0~F360	F1,2~F250	F1,4~F190	F1,6~F360
Focal length	3-8 mm	6-48 mm	6-60 mm	6-60 mm
Horizontal angle of view	77,4-33,4 °	44,3-5,8 °	43,4-4,5 °	44,2-4,6 °
Mount	CS	CS	CS	CS
MOD	0,3 m	1,0 m	1,3 m	1,2 m
Filter screw size	not available	M49x0.75mm	M52x0.75mm	M55x0.75mm

DC (INCL. MOTORZOOM)	G1214NDDC 47128	G04Z03NDDC-NFS 43251	A09Z10DC-NFS-MP 43266	A10Z04NDDC-NFS 43239
Lens type	1/2" fixed focal length	1/2" varifocal	1/2" varifocal	1/2" varifocal
Day/Night/Megapixel	no/no	yes/no	yes/yes	yes/no
Aperture range (F)	F1,4~F125	F1,2~F260	F1,8~F360	F1,4~F250
Focal length	12 mm	4,5-12,5 mm	9-90 mm	10-40 mm
Horizontal angle of view	30,4 °	83,7-30,1 °	41,1-4,2 °	37,5-9,2 °
Mount	CS	CS	C	C
MOD	0,3 m	0,3 m	0,3 m	0,5 m
Filter screw size	not available	not available	M43x0.75mm	not available

DC (INCL. MOTORZOOM)	A04Z02NDDC-MP 43254	A04Z12NDDC-NFS 43248	A04Z12NDDC-MP 43272	A08Z08NDDC 47422
Lens type	1/2" varifocal	1/2" varifocal	1/2" varifocal	1/2" zoom
Day/Night/Megapixel	no/yes	yes/no	no/yes	no/no
Aperture range (F)	F1,4~F260	F1,2~F250	F1,4~F290	F1,6~F250
Focal length	4-8 mm	4-12 mm	4-12 mm	8-64 mm
Horizontal angle of view	90,4-47 °	93,7-31,2 °	100,5-33,4 °	44-5,8 °
Mount	C	C	C	C
MOD	0,5 m	0,3 m	0,3 m	1,0 m
Filter screw size	not available	not available	not available	M49x0.75mm

DC (INCL. MOTORZOOM)	A08Z08NDDCPO 47423		N-PLUG/L MINI 43221
Lens type	1/2" zoom with potentio-meters		4-pin AI/DC Mount Plug
Day/Night/Megapixel	no/no		
Aperture range (F)	F1,6~F250		
Focal length	8-64 mm		
Horizontal angle of view	44-5,8 °		
Mount	C		
MOD	1,0 m		
Filter screw size	M49x0.75mm		

FOR BOXED TYPE CAMERAS	EHL-W/ECLKA 79653	EHL-W/ECLKB 79654	VHM/ECLKA-210-W 79675	VHM/ECLKA-W 79674
Housing material	aluminium	aluminium	aluminium	aluminium
Colour	RAL9002	RAL9002	RAL9016	RAL9016
Protection rating	IP66	IP66	IP66	IP66
Integrated wall mount	yes	yes	no	no
Clear Shield	no	no	yes	yes
Window heater	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)	yes, 110~265VAC/9watts (PTC)	yes, 110~265VAC/9watts (PTC)
Blower	optional	optional	no	no
Wiper	no	no	no	no
Sunshield	yes	yes	yes	yes
Hidden cable management	no	no	no	optional
Usable length	252 mm	252 mm	210 mm	330 mm
Accessories	SU-6 79604, EHL-BLS/230V 79664, AK-3 70457, NE-131/12V 79663, NE-119/24V 79568, PM-6S 79592, PM-6D 79593	SU-6 79604, EHL-BLS/12VDC 79665, PM-6D 79593, PM-6S 79592, AK-3 70457	WD-16/MK-W 73177, NE-112/AC24V 79491, NE-112/2 79423, NE-112 79364, AK-3 70457	WD-16/MK-W 73177, NE-112/AC24V 79491, NE-112/2 79423, NE-112 79364, VHM/PC-1-LG 79696, AK-3 70457

FOR BOXED TYPE CAMERAS	VHM/ECLKB-210-W 79677	VHM/ECLKB-W 79676	VHM/ZLB-W 79682	VTL-300/WW-POE 79706
Housing material	aluminium	aluminium	aluminium	aluminium
Colour	RAL9016	RAL9016	RAL9016	RAL9002
Protection rating	IP66	IP66	IP66	IP66
Integrated wall mount	no	no	no	yes
Clear Shield	yes	yes	yes	no
Window heater	yes, 12~30V/9watts (PTC)	yes, 12~30V/9watts (PTC)	yes, 24V (12V), 6watts	yes, 12V / 7W (PTC)
Blower	no	no	no	no
Wiper	no	no	no	no
Sunshield	yes	yes	yes	yes
Hidden cable management	no	optional	no	yes
Usable length	210 mm	330 mm	330 mm	240 mm
Comments			30 pin central plug connection	splitter
Accessories	WD-16/MK-W 73177	WD-16/MK-W 73177, VHM/PC-1-LG 79696	WD-16/MK-W 73177, VHM/KV1 79609, MCAB-1 87404, AK-3 70457, VHM/ZB-VPT055LG 79697	PM-6D 79593, PM-6S 79592, CMA-2 79613, POE INJECTOR-01 79707, SU-6 79604

FOR BOXED TYPE CAMERAS	VTL-300/WW-POEB 79705	VTL-D/N2 79485	VTL-DPW 79489	VTL-W/N2 79484
Housing material	aluminium	aluminium	aluminium	aluminium
Colour	RAL9002	silver grey	RAL9002	silver grey
Protection rating	IP54	IP66	IP66	IP66
Integrated wall mount	yes	no	yes	no
Clear Shield	no	no	no	no
Window heater	yes, 12V / 7W (PTC)	optional	optional	yes, 100~240V/40W (PTC)
Blower	yes	optional	optional	optional
Wiper	no	no	no	no
Sunshield	yes	no	no	yes
Hidden cable management	yes	no	yes	no
Usable length	240 mm	300 mm	300 mm	300 mm
Comments	Splitter, blower	Ceiling mount bracket Included	Wall bracket included	Wall bracket not included
Accessories	PM-6D 79593, PM-6S 79592, CMA-2 79613, POE INJECTOR-01 79707, SU-6 79604	NE-115 79415, NE-115/24V 79704, NE-129/12V 79661	NE-130/12V 79662	WD-7/MK 79790, NE-129/12V 79661, NE-115 79415, NE-115/24V 79704, PM-6D 79593, PM-6S 79592, CMA-2 79613, SU-6 79604

FOR BOXED TYPE CAMERAS	VTL-WWA 79488	VTL-WWD 79644
Housing material	aluminium	aluminium
Colour	RAL9002	RAL9002
Protection rating	IP66	IP66
Integrated wall mount	yes	yes
Clear Shield	no	no
Window heater	yes, 100~240V/40W (PTC)	yes, 12~24V/20watts (PTC)
Blower	optional	optional
Wiper	no	no
Sunshield	yes	yes
Hidden cable management	yes	yes
Usable length	300 mm	300 mm
Comments	Wall bracket included	Wall bracket included
Accessories	NE-130/12V 79662, PM-6D 79593, PM-6S 79592, CMA-2 79613, AK-3 70457, VTL-BL-230V 77345, SU-6 79604	AK-3 70457, PM-6D 79593, PM-6S 79592, CMA-2 79613, SU-6 79604

FOR DOME/BOARD CAMERAS	EDC-IDFSW 74154	EDC-IPC-2/24V 74135	EDC-IPS-2/24V 74134	EDC-OPC-2/24V 74130
Colour (housing)	black	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	tinted	clear	tinted	clear
Housing	indoor	indoor	indoor	outdoor
Housing material	aluminium	aluminium	aluminium	aluminium
Heater	no	yes	yes	yes
Camera fixing	dome	dome	dome	dome
Mounting	housing assy	wall or ceiling pendant mount	wall or ceiling pendant mount	wall or ceiling pendant mount
Protection rating	n/a	IP66	IP66	IP66
Vandalism resistant	no	no	no	no
Accessories		EDC-AKS1 74125, EDC-OPX/IPX-CC1 74143, 74163, NE-128 70449, EDC-RTB2 74140, EDC-WMB1 74127, EDC-CMT1 74128	EDC-AKS1 74125, EDC-OPX/IPX-CC1 74143, 74163, NE-128 70449, EDC-RTB2 74140, EDC-WMB1 74127, EDC-CMT1 74128	EDC-AKS1 74125, EDC-OPX/IPX-CC1 74143, NTDF-AKS1 74145, NTD-OPX/IPX-CC1 74144, NE-128 70449, EDC-RTB2 74140, EDC-PRMB 74090, EDC-WMB1 74127, EDC-CMT1 74128

FOR DOME/BOARD CAMERAS	EDC-OPS-2/24V 74136	EMG-1 71497	WDDG-1 71493	WDDG-2 71494
Colour (housing)	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C	Pantone Cool Gray 1C
Colour (bubble)	tinted	-	clear	clear
Housing	outdoor	indoor	indoor	outdoor
Housing material	aluminium	aluminium	aluminium	aluminium
Heater	yes	no	no	optional
Camera fixing	dome	board	board	board
Mounting	wall or ceiling pendant mount	corner mount	wall mount, flush mount	wall mount, ceiling mount
Protection rating	IP66	IP65	IP65	IP65
Vandalism resistant	no	yes	yes	yes
Accessories	EDC-AKS1 74125, EDC-OPX/IPX-CC1 74143, EDC-RTB2 74140, EDC-PRMB 74090, NE-128 70449, EDC-WMB1 74127, EDC-CMT1 74128	VT-PS12DC-7 70495, 203658	VT-PS12DC-7 70495, VT-PS12DC-10 70543	WDDG2/H12 71664, 3/4" - M25X1.5 88149, VT-PS12DC-7 70495, VT-PS12DC-10 70543

EDC-OPX/IPX-CC1 74143	EDC-PBP 74095	EDMC/H12 74099	EDMC/H24 74104	EHL-BLS/12VDC 79665	EHL-BLS/230V 79664
Connection cable for EDC-xxx-2 Fastrax ,Standard Domes in In/ Outdoor Housing	Protocol Converter BiPhase to RS-422, RS-485 for EDC Dome Cameras, 12VDC	Low Voltage Heater Kit 12V/10W for Minitrax Series, NLD-1401, NXD-130x/140x	Low Voltage Heater Kit 24V/10W for EDMC-142, VKCD-1410, NLD-1401, NXD-130x/140x	Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKB Housing, 12VDC	Blower Kit 230V/50Hz with Thermostat for EHL-W/ECLKA Housing, 230VAC

SU-6 79604	VHM/H220 71301	VHM/H24 71601	VHM/H24WID 71602	VHM/KV1 79609	VHM/KV2 79627
Camera Height Adjustment Kit for VHK and EHL Housings (3 Diff. Slides and Screws)	VHM Window Heater 110-265VAC (PTC Element)	VHM Window Heater 12-30V (PTC Element)	VHM Resistor Low Voltage Heater 24V/6W, interchangeable to 12V	Cable Connection Board with Thermostat for VHM/Z Housing	Cable Connection Board with Thermostat for VHM Housing, „EC" Series

VHM/KVS2 79612	VHM/PC-1-LG 79696	VHM/TH2 79281	VHM/Z KIT 79615	VTL-BL-230V 77345	WDDG2/H12 71664
Cable Connection Board w. Thermostat and Fuse for VHM Housing, „EC" Series	Plug-in shield for VHM/ EC&ST Housing Series, 330mm, RAL7035	Thermostat Switch for VHM Housing	Modification Kit for VHM-EC Housing Series to Plugable Central Connection	Blower, with Thermostat 230V, for VTL-WWA housing	Low Voltage Heater Kit 12V/8W for WDDG-2 housing

INFRARED	WFL-II/LED15-12 73826	MFL-I/LED5-12 73923	IR LED150-C-35 71736	IR LED150-A-50 71732
Spectral emission	950nm	850nm	950nm	850nm
Angle of light source h	40°	30°	35°	50°
Scene coverage	15 m	30 m	50 m	75 m
Twilight switch	optional	yes	yes	yes
Power consumption	15W	5W	25W	36W
Supply voltage	12VDC	12VDC	200~240VAC	200~240VAC
Power supply unit	optional	optional	integrated	integrated
Protection rating	IP66	IP66	IP66	IP66
Accessories	NE-109N 73827, WD-8/MK 71310, WD-9N 70023, DS-4 90056	VT-PS12DC-8 70535	IR LED-WBSET 71725, PM-80 71722	IR LED-WBSET 71725, PM-80 71722

INFRARED	IR LED150-A-50R 71735	IR LED150-A-20 71734	IR LED300-C-35 71731	IR LED300-A-50 71756
Spectral emission	850nm	850nm	950nm	850nm
Angle of light source h	50°	20°	35°	50°
Scene coverage	75 m	90 m	100 m	150 m
Twilight switch	yes	yes	yes	yes
Power consumption	36W	36W	80W	65W
Supply voltage	200~240VAC	200~240VAC	200~240VAC	200~240VAC
Power supply unit	integrated	integrated	integrated	integrated
Protection rating	IP66	IP66	IP66	IP66
Comments	For remote control			
Accessories	IR LED-WBSET 71725, PM-80 71722	IR LED-WBSET 71725, PM-80 71722	IR LED-WBSET 71725, WD-5/MK 79750, PM-80 71722	IR LED-WBSET 71725, PM-80 71722, WD-5/MK 79750

INFRARED	IR LED300-A-50R 71757	IR LED300C-A-50 71737	IR LED300-A-20 71758	IR LED300-A-06 71723
Spectral emission	850nm	850nm	850nm	850nm
Angle of light source h	50°	50°	20°	6°
Scene coverage	150 m	150 m	180 m	250 m
Twilight switch	yes	yes	yes	yes
Power consumption	65W	65W	65W	80W
Supply voltage	200~240VAC	200~240VAC	200~240VAC	200~240VAC
Power supply unit	integrated	integrated	integrated	integrated
Protection rating	IP66	IP66	IP66	IP66
Comments		With clear cover		
Accessories	IR LED-WBSET 71725, PM-80 71722, WD-5/MK 79750	IR LED-WBSET 71725, WD-5/MK 79750, PM-80 71722	IR LED-WBSET 71725, PM-80 71722, WD-5/MK 79750	IR LED-WBSET 71725, WD-5/MK 79750, PM-80 71722

WHITE LIGHT	W LED300K-140 71746	W LED300K-25 71743	W LED300K-06 71741
Luminous Flux	8500 Lumen	8500 Lumen	8500 Lumen
Angle of light source h	140°	25°	6°
Scene coverage	100 m	175 m	250 m
Twilight switch	no	no	no
Supply voltage	200~240VAC	200~240VAC	200~240VAC
Power supply unit	integrated	integrated	integrated
Protection rating	IP66	IP66	IP66
Comments	With wall bracket	With wall bracket	With wall bracket
Accessories	PM-80 71722	PM-80 71722	PM-80 71722

DS-4 90056	LED-WBSET 71725	PM-80 71722	WD-28 79638
Twilight Switch with ON/OFF Delay adjustable Switching Points, 230VAC	Wall Mount Set: Mounting Bracket and Wall Mount Bracket	Pole Mount Adapter IR LED-WBSET (80-180mm Pole)	Wall Bracket for Raytec IR LED Illuminators Series RM25 to RM200
	Accessories: PM-80 71722		Accessories: PM-6S 79592, PM-6D 79593

AK-4
202888

NEW

Camera junction box, for Candid Small ,Candid Medium, Candid Large Series

Accessories:
VT-PS12DC-12 204466

DOME-WB1
202642

NEW

Wall Bracket for eneo Callisto Dome Line

Accessories:
PM-42A 202641

ESH-1/WB
79716

Wall Mount with Swivel Head, for ESH Housing Series, AISI 316

IRCAM/WB3
200655

Wall Mount Kit, for eneo VKCD-1330

VDOME/WB7
200207

Wall Mount Bracket, for eneo FXD-1001/IR, FXD-1002/IR

DNK
79350

Swivel Head, black

EDC-AKS1/MP
74138

Adapter Plate for Fixation of EDC-AKS1 to EDC-PM7 or EDC-CMA2

EDC-WMB1
74127

Wall Mount for EDC(H) Dome Cameras with Mounting Kit

Accessories:
EDC-PM7 74055, EDC-CMA2 74054, EDC-CMA3 73155

EDMC/CWB-1
74155

Wall or Pendant Mount Kit f. Dome Camera Series EDMC, NTD, NLD, NXD & VKCD-1375

Accessories:
MCAB-1 87404, EDC-CMA2 74054, EDC-PM7 74055, EDMC-RTB 74107, PA101 98201

PLD-AKS1
200829

Connection Box, for eneo PLD-WMB1, PLD-WMB2, Power Supply Unit NE-135

Accessories:
NE-135 200828

PLD-WMB1
200825

Wall Bracket, for Domes, eneo PLD, PXD, HDD-PTZ Series, 348mm, Safety Rope

Accessories:
PLD-AKS1 200829, PLD-CMA1 200830, PLD-AKS2 200832, PLD-PMA1 200834, PLD-AKS2 200835

PLD-WMB2
200826

Wall Bracket, for Domes, eneo PLD, PXD, HDD-PTZ Series, 148mm, Safety Rope

Accessories:
PLD-CMA2 200831

VDOME/WB2
74151

Wall Mount Kit for Vandalism Resistant Dome Cameras SM/VF Series

VDOME/WB3
92557

Wall Mount Kit for VKCD-1325/IR

VDOME/WB6
92767

Wall Mount Kit, for eneo eneo GXD-16xx/-17xx series

VDOME/WB8
200536

Wall Mount Kit for eneo GXD-16xx/-17xx series

VKCD/WMB-2SW
92047

Wall Mount Bracket, Black, for VKCD-1320SM/VF

WD-12-WA
70835

Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, 140mm, RAL9006

WD-12/E-WA
70834

Wall Mount with Ball Joint, extendable, 1/4" Camera Fixing Screw, RAL9006

WD-16/MK-KG
73178

Wall Mount with Swivel Head for VHM Weatherproof Housings, RAL7032

Accessories:
PM-51-W 73166

WD-16/MK-W
73177

Wall Mount with Swivel Head for VHM Weatherproof Housings, RAL9016

Accessories:
PM-51-W 73166

WD-18
70688

Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, beige Grey

WD-21/RAL9006
70697

Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, RAL9006

WD-22
70769

Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Beige Grey

WD-23
70771

Wall Mount Bracket with Ball Joint, 1/4" Camera Fixing Screw, Pantone 877

WD-5/MK
79750

Wall Mount with Swivel Head for weatherproof Housing, black

Accessories:
PM-6D 79593, PM-6S 79592, CMA-2 79613

WD-7/MK
79790

Wall Mount with Swivel Head for VTL Series Outdoor Housings, black

Accessories:
PM-6D 79593, PM-6S 79592, CMA-2 79613

WD-7/MK-GW
79793

Wall Mount with Swivel Head for Outdoor Housings, RAL9002

Accessories:
PM-6D 79593, PM-6S 79592, CMA-2 79613

WD-8/MK
71310

Wall Mount with Swivel Head, 1/4" Camera Fixing Screw, Black Finish

WD-9N
70023

Wall Mount with Ball Joint, 1/4" Camera Fixing Screw, Black Finish

PLD-CMT1
200827

Ceiling Bracket, for Domes eneo PLD, PXD Series, 250mm, Safety Rope

WD-13-WA
70836

Ceiling Mount with Ball Joint, 1/4" Camera Fixing Screw, RAL9006

DH-5-W
73176

Ceiling Bracket with adjustable Housing Mount Angle, RAL9016

EDC-CMT1
74128

Ceiling Mount Tube with Flange Plate for EDC(H) _ EDMC/E Cameras with Mounting Kit

EDMC/CWB-1
74155

Wall or Pendant Mount Kit f. Dome Camera Series EDMC, NTD, NLD, NXD & VKCD-1375

Accessories:
MCAB-1 87404, EDC-CMA2 74054, EDC-PM7 74055, EDMC-RTB 74107, PA101 98201

VDOME/FM2
92766

Flush Mount Kit, for eneo GXD-16xx/-17xx series

VDOME/PM2
92768

Ceiling Pendant Bracket, for eneo GXD-16xx/-17xx series

VDOME/SM2
92765

Ceiling Mount Kit, for eneo GXD-16xx/-17xx series

WD-13/E-WA
70833

Ceiling Mount w. Ball Joint, extendable 1/4" Camera Fixing Screw, RAL9006

PM-42A 202641	PLD-CMA1 200830	PLD-CMA2 200831	CMA-2 79613	EDC-CMA2 74054	EDC-CMA3 73155

NEW

Pole mount adaptor for eneo Candid, Candid S, Candid M Candid L, W3, WB1 wall mount

Corner Mount Adaptor, for eneo PLD-WMB1, PLD-WMB2

Corner Mount Adaptor, for eneo PLD-WMB2

Corner Mount Adapter for Wall Brackets WD-5, WD-7, VTL-WW, VHK-WW, RAL9002

Corner Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1

Corner Mount Adapter for Fastrax Wall Bracket EDC-WMB1, Steel Metal

EDC-PM7 74055	EDC-RTB2 74140	MK-5-W 73173	PLD-AKS2 200835	PLD-AKS3 200832	PLD-PMA1 200834

Pole Mount Adapter for EDC-IPx1/OPx1 Housings and Wall Bracket EDC/WMB1

Pole & Roof Mount Bracket for Fastrax 2 outdoor Housings & EDCH

Pole Mount Bracket & Swivel Head for Weatherproof Housings, RAL9002

Pole Mount Connection Box, for eneo PLD-WMB1, PLD-WMB2, Power Supply Unit NE-135

Accessories: NE-135 200828

Corner Mount Connection Box, for eneo PLD-WMB1, PLD-WMB2, Power Supply NE-135

Accessories: NE-135 200828

Pole Mount Adaptor, for eneo PLD-WMB1, PLD-WMB2

PM-51-W 73166	PM-6D 79593	PM-6S 79592	PM-7 73153

Pole Mount Kit for WD-16/MK-W, RAL9016

Pole Mount Adapter for 2 Wall Mounts, (50-140mm Pole), RAL9002

Pole Mount Adapter for 1 Wall Mount, (50-140mm Pole), RAL9002

Pole Mount Adapter for WD-32 (80-150mm Pole), RAL7032

LCD-15P-RMK 90396	LCD-17P-RMK 90397	LCD-19P-RMK 90475	LCD-ST/CM1 90491	VMC-LCD/8-10MP 90453	VMC-LCD/WCMB-1 90394
19" Kit for 15" LCD Monitor (VMC-15LCD-P and VMC-15LCD-HMC1)	19" Kit for 17" LCD Monitor (VMC-17LCD-P and VMC-17LCD-HMC1)	19" Kit for 19" LCD Monitor (VMC-19LCD-P and VMC-19LCD-HMC1)	Desktop Mount for LCD Monitor VMC-8.4 and VMC-10.4, CM Series	Adapter Plate for Wall Bracket Fixing to VMC-8/8.4/10.4LCD-CP Series	Wall/Ceiling Bracket for LCD Monitors 15"/17"/19" P/CP/CM/HPC/HMC1 Series

VMC-LCD/WMB-4 90468	LCD-ST/HM 90553		EDC-AKS1 74125	EDC-AKS1/MP 74138	W3 INST-KIT1 88148
Wall Bracket for LCD Monitors up to 23", Pan and Tiltable	Desktop Mount for LCD Monitor, Series VMC-15/17/19, VESA Standard		Power&Connection Box with Mounting Bracket for In/Outdoor, 230V-24VAC/3.0A	Adapter Plate for Fixation of EDC-AKS1 to EDC-PM7 or EDC-CMA2	Installation Kit for W3 Housings with Hidden Junction Boxes
			Accessories: EDC-OPX/IPX-CC1 74143, EDC-PM7 74055, EDC-CMA2 74054, EDC-AKS1/MP 74138		
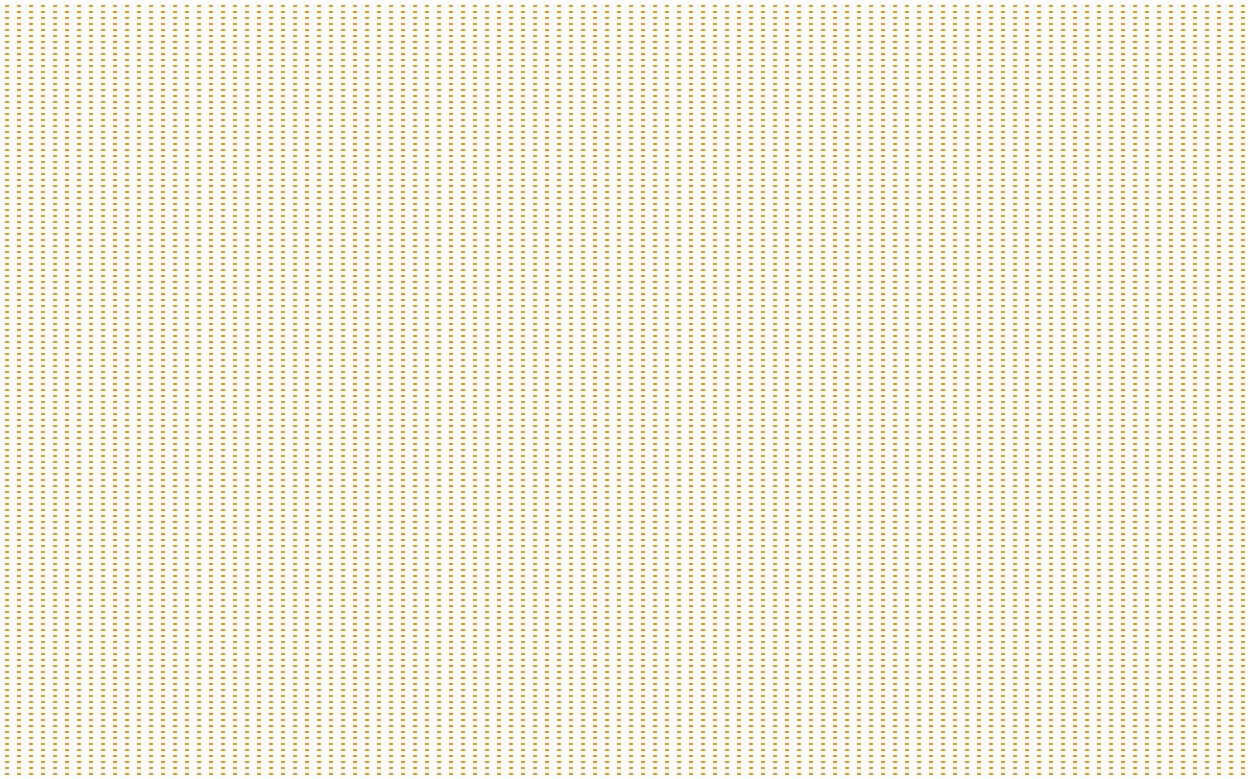
PAN&TILT SYSTEMS	VPT-40/230V RAL7035 200690	VPT-40/230V-POT RAL7035 200692	VPT-40/24V RAL7035 200689	VPT-40/24V-POT RAL7035 200691
Autopan/Pattern	no/no	no/no	no/no	no/no
Rotation range/Positioned freely	359°/no	359°/yes	359°/no	359°/yes
Speed at nominal voltage	6°/sec. horizontal, 3°/sec. vertical (at 60 Hz: +20%)	6°/sec. horizontal, 3°/sec. vertical (at 60 Hz: +20%)	6°/sec. horizontal, 3°/sec. vertical (at 60 Hz: +20%)	6°/sec. horizontal, 3°/sec. vertical (at 60 Hz: +20%)
Colour (housing)	RAL7035	RAL7035	RAL7035	RAL7035
Housing material	aluminium, plastic	aluminium, plastic	aluminium, plastic	aluminium, plastic
Heater	optional	optional	optional	optional
Illuminator mountable	optional	optional	optional	optional
Serial interfaces	voltage	voltage	voltage	voltage
Load capacity	20 kg	20 kg	20 kg	20 kg
Backlash	<0.2°	<0.2°	<0.2°	<0.2°
Temperature range (operation)/with heater	-20°C ~ +70°C/-40°C ~ +70°C	-20°C ~ +70°C/-40°C ~ +70°C	-20°C ~ +70°C/-40°C ~ +70°C	-20°C ~ +70°C/-40°C ~ +70°C
Protection rating	IP66	IP65	IP66	IP65
Supply voltage	230VAC	230VAC	24VAC	24VAC
Comments		With potentiometer		With potentiometer
Accessories	202417, 202413	202417, 202413	PTZF/G-EC 75354, 202417, 202413, NE-128 70449	PTZF/G-EC 75354, 202417, 202413, NE-128 70449
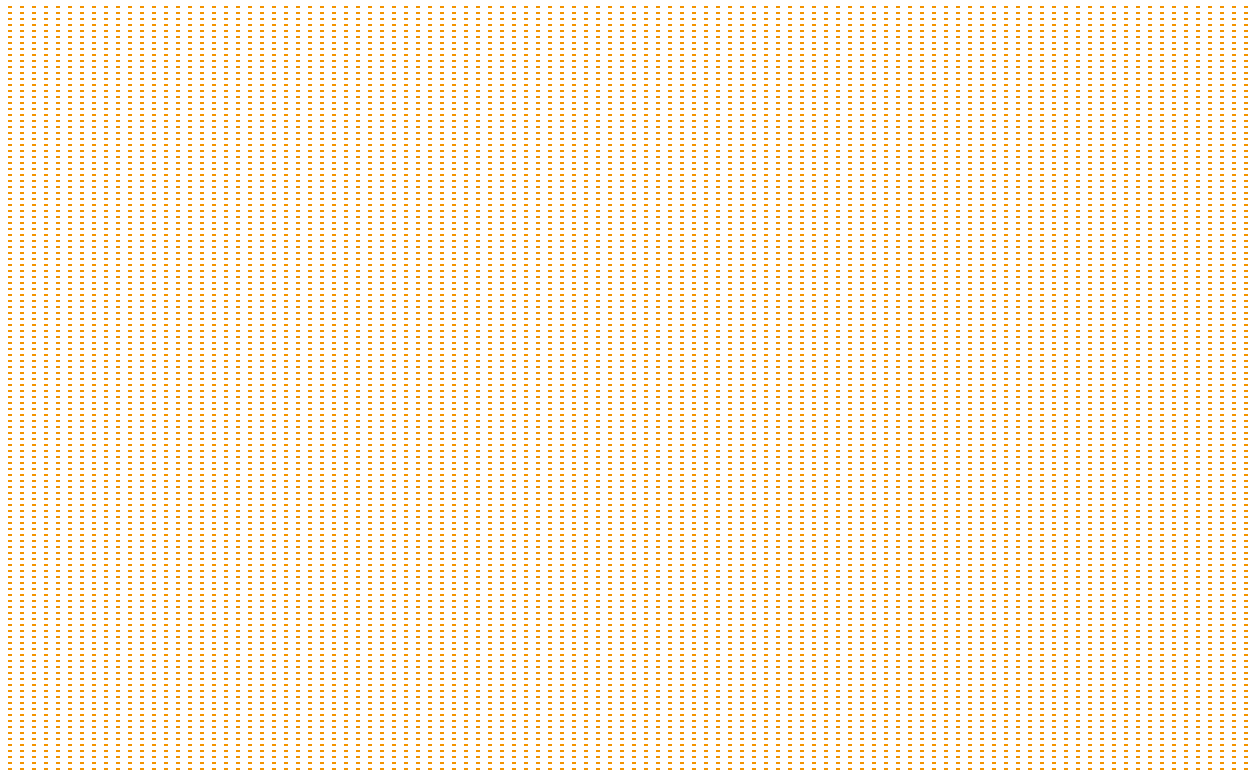
	VPT-501 RAL7035 200693	VPT-601 RAL7035 200694	VPT-601/HZRAL7035 75311
Autopan/Pattern	yes/no	yes/no	yes/no
Rotation range/Positioned freely	359°/yes	360°/yes	360°/yes
Speed range at manual control	0 ~ 100° horizontal, 0 ~ 50° vertical. 0 to 100°/sec.: 0.22sec.	0 ~ 100° horizontal, 0 ~ 50° vertical. 0 to 100°/sec.: 0.22sec.	0 ~ 100° horizontal, 0 ~ 50° vertical. 0 to 100°/sec.: 0.22sec.
Preset speed	0 ~ 100° horizontal, 0 ~ 50° vertical. 180° positioning needs 2.5sec. (at max. speed)	0 ~ 100° horizontal, 0 ~ 50° vertical. 180° positioning needs 2.5sec. (at max. speed)	0 ~ 100° horizontal, 0 ~ 50° vertical. 180° positioning needs 2.5sec. (at max. speed)
Colour (housing)	RAL7035	RAL7035	RAL7035
Housing material	aluminium, plastic	aluminium, plastic	aluminium, plastic
Heater	optional	optional	optional
Illuminator mountable	optional	yes	yes
Serial interfaces	RS-422, RS-485	RS-422, RS-485	RS-422, RS-485
Protocols	FastraxIIE, PELCO-D/P, Siemens (TTY), Coaxitron optional	FastraxIIE, PELCO-D/P, Siemens (TTY), Coaxitron optional	FastraxIIE, PELCO-D/P, Siemens (TTY), Coaxitron optional
Load capacity	12 kg	12 kg	12 kg
Backlash	<0.2°	<0.2°	<0.2°
Presets	64	64	64
Temperature range (operation)/with heater	-20°C ~ +50°C/-40°C ~ +50°C	-20°C ~ +50°C/-40°C ~ +50°C	-20°C ~ +50°C/-40°C ~ +50°C
Protection rating	IP65	IP65	IP65
Supply voltage	24VAC	230VAC	230VAC
Accessories	WD-32 73157, 202417, NE-128 70449, VHM/ZLB-W 79682, VHM/ZB-VPT055LG 79697, KBD-2 74149, EDC-COAX 74094	WD-32 73157, 202418, VHM/ZLB-W 79682, VHM/ZB-VPT055LG 79697, KBD-2 74149, EDC-COAX 74094	WD-32 73157, 202418, VHM/ZLB-W 79682, VHM/ZB-VPT055LG 79697, KBD-2 74149, EDC-COAX 74094

GK-2/N1G 202415	MK-22G 202418	VPT/IRB-4L 77488	WD-32 RAL7035 203427
Swivel Head for WD-2N1, MK-1N1 and MK-21, RAL7035	Pole Column Spacer for Pan/Tilt Heads 360°, 200mm Height, RAL7035	L-Bracket for VPT-40, RAL7032	Wall Bracket for Pan/Tilt Heads, VPT-40/501/601/651 Series, RAL7035

AK-4 202888	NE-135 200828	POE INJECTOR-01 79707	AK-2 70456	AK-3 70457	NE-109N 73827

NEW

Camera junction box, for Candid Small, Candid Medium, Candid Large Series

Accessories:
VT-PS12DC-12 204466

Power Supply Unit, for Domes eneo PLD, PXD Series, 230V/24VAC, 3A, IP66

Single Channel High PoE Injector, 230VAC

Camera Connection Box for Standard and Ethernet Cameras

Camera Connection box, 230VAC Input, 24VAC-3.2A, 12VDC-1A Outputs

Power Supply 110-240VAC/12VDC for one LED-Infrared Illuminat or 15W, Regulated

NE-112 79364	NE-112/2 79423	NE-112/AC24V 79491	NE-115 79415	NE-115/24V 79704	NE-119/24V 79568

Power Supply Unit 230VAC/12VDC (600mA) for VHM Housing, Regulated

Accessories:
VHL-VHB-VHM/TH2
79281

Power Supply Unit 230VAC/12VDC (600mA), Regulated, 24VAC (1000mA) f. VHM Housing

Power Supply Unit 230VAC/24VAC (600mA) for VHM Housing

Accessories:
VHL-VHB-VHM/TH2
79281

Power Supply Unit 230V/12VDC-400mA for Housings VTL-W/D-N2

Power Supply Unit 230V/24VAC (400mA) for Housing Series VTL

Power Supply Unit 230V/24VAC (400mA) for EHL-W/ECLKA Housing Series

NE-128 70449	NE-129/12V 79661	NE-130/12V 79662	NE-131/12V 79663	NE-132/AC24V 70527	NE-133 70537

Voltage supply unit 230V/24VAC-5A, IP66

Power Supply Unit 230V/12VDC-1.25A for Housings VTL-W/D-N2

Power Supply Unit 230V/12VDC-1.25A for Housings VTL-WWA

Power Supply Unit 230V/12VDC-1.25A for Housings EHL-W/ECLKA and EHL-W/ECLKA-NW

Power Supply Unit 230VAC/24VAC (1.0A)

Voltage Supply Unit 100-240VAC/8x 12VDC-500mA

VT-PS12DC-10 70543	VT-PS12DC-11 203658	VT-PS12DC-12 204466	VT-PS12DC-7 70495	VT-PS12DCDT1 77773

NEW   **NEW**

Plugable AC/DC Adapter 100-240V/12VDC-2.5A, stab., Cont. & UK Mains plug-ins

Plug-in Power Supply Unit, 100-240VAC/12VDC (1.0A), Regulated, with DC Plug

Power supply, for AK-4, 100-240VAC/12VDC (1,5A), stabilized, open ends

Plugable PSU w. Cont. & UK Mains plug-in 100-240VAC/12VDC-1.25A, Regulated

PSU 12VDC/1.0A, Regulated, Desktop Version, 1.8m Cables each w. open ends

EDC-OPX/IPX-CC1
74143

Connection cable for EDC-xxx-2 Fastrax ,Standard Domes in In/ Outdoor Housing

MCAB-2/100
87406

Multicore Connecting Cable, 100m, Video& Power

Accessories:
B/1 87190, B/2 87193

MCAB-2/200
87407

Multicore Connecting Cable, 200m, Video& Power

Accessories:
B/1 87190, B/2 87193

MCAB-3
202531

Camera-/SN-Head Connection Cable, Video, Power, Control, Network, 1m, max. 100m

Accessories:
B/0.42 87204

VHM/ZB-VPT055LG
79697

Connection Cable 0.55m, VHM/ZLB to VPT-501, VPT-601

RAPPORT III-PRO
88193

Multifunctional CCTV Test Unit, 3.5" LCD Display, with Digital Video Recorder

RAPPORT MINI
202566

Multifunctional CCTV Test Unit, 2.5" LCD Display

VKCD-1410/KB
92192

Remote Controller for VKCD-1410, VKC-1416(A/B) and NTC-4101

EDC-KBD J-BOX
74219

Junction Box for EDC-KBD1, EDC-KBDM-3, KBD-2 Series

EKR-8/16-4KB
75205

Universal Keyboard for Matrix Switchers EKR-8/4, EKR-16/4, Pantone Coolgray 1C

USB-MOUSE
71902

USB Mouse for Recorder Series DMR, DPR, BLR and DLR3/4 - PS/2, USB

KBD-NSC-100
74746

Network System Controller with 3-Axis Joystick and Jog Shuttle, 5VDC

KBD-2
74149

System Keyboard with 3-Axis Joystick and Jog Shuttle, 12VDC

Accessories:
EDC-KBD J-BOX 74219

EDC-KBD1
74088

System Keyboard with 3-axis Joystick, 12VDC

EKR-KB1
75207

Universal Keyboard for Matrix Switchers EKR Series, Pantone Coolgray 1C

EDC-COAX
74094

Coax Telemetry Board for VPT-501/601, EDC/EDMC Series assembled

FASTRAX_CONFIG
74124

Configuration Software for Eneo Fastrax, Minitrax Dome Cameras and VKC-1416

Accessories:
LINE DRIVER 71003, EDC-CR1 74089

VKCD-1323/IR-KB
92165

External Remote Control Board for VKCD-1323/IR

HDD-2000SATA
72998

Hard Disk Drive 2TB, SATA for eneo BLR, DLR, DMR,HDR Series

DMR-104/EXTENS
72999

External Harddisk Extension (4xSATA), eSATA Connector, 19"

HDD-1000SATA-H2
72952

Hard Disk Drive 1TB, SATA for eneo BLR, DLR, DMR, HDR Series

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