

Selection Guide

MIPI VBO & IP Cameras

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2 von 2 Artikel aus dem Bereich MIPI VBO Cameras wurden für das PDF ausgewählt.



MIPI VBO SerDes miniCAM IP67 1080p

MIPI VBO SerDes miniCAM IP67 720p

LCD Size		
Image Sensor		
Minimal Lux		
Lens		
IrisType		
Day + Night		
IR Distance		
IR Control		
ICR		
WDR		
SD		
Removeable Storage		
Internal Storage		
Graphic Interface	-	-
Interface COM		
Interface USB	-	-
Interface LAN	-	-
Interface IO	-	-
Resolution		
Processing		
Codec		
Performance		
Audio		
Input Voltage Nominal		
Input Current		
Battery		
Operating Temperature		
Storage Temperature		
Relative Humidity		
Protection		
Certification	-	-
Dimensions		
Weight		
Typ. Application	-	-

Bestellinformation	Artikel-Nr. VKFX1202 MIPI VBO SerDes CAM, 1.080p60, AR0234GSC, V-by-One HS, 15m Fakra Cable, IP67	Artikel-Nr. VKFX1203 MIPI VBO SerDes CAM, 720p30, AR0144GSC, V-by-One HS, 15m Fakra Cable, IP67
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1 von 1 Artikel aus dem Bereich
Mobile Cameras
wurden für das PDF ausgewählt.



Mobile IP-Camera Type 1/2/3/4

LCD Size	
Image Sensor	1/2.8" 2MP CMOS Progressive sensor
Minimal Lux	-
Lens	Fixed lens 2,8 mm F1,6 / 2,4 mm F2,1 / 6,0 mm F2,0 / 8,0 mm
IrisType	-
Day + Night	x
IR Distance	10 m
IR Control	-
ICR	x
WDR	x
SD	-
Removeable Storage	Micro SD Slot
Internal Storage	
Graphic Interface	-
Interface COM	
Interface USB	-
Interface LAN	RJ45 or M12 connector 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	-
Resolution	1.920 x 1.080 to 320 x 240 @ 30fps
Processing	VBR/CBR
Codec	H.265 / H.264 / M-JPEG
Performance	Smart GOP / Smart ROI / Smart FPS
Audio	-
Input Voltage Nominal	12VDC
Input Current	6W max.
Battery	-
Operating Temperature	-20°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	90%, non-condensing
Protection	IK 10, IP66
Certification	CE, EN50155 (Railway), FCC
Dimensions	Ø 110,5 mm / Height x 64 mm
Weight	400 g
Typ. Application	Industrial, Automotive, Mobile, Railway, Outdoor

Bestellinformation	<p>Artikel-Nr. VKIX2042 Mobile IP-Camera Type 1, 2MP, smart-IR, true WDR, RJ45, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L2,8mm</p> <p>Artikel-Nr. VKIX2042-1 Mobile IP-Camera Type 1, 2MP, smart-IR, true WDR, M12, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L2,8mm</p> <p>Artikel-Nr. VKIX2043 Mobile IP-Camera Type 2, 2MP, smart-IR, true WDR, RJ45, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L2,4mm</p> <p>Artikel-Nr. VKIX2043-1 Mobile IP-Camera Type 2, 2MP, smart-IR, true WDR, M12, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L2,4mm</p> <p>Artikel-Nr. VKIX2044 Mobile IP-Camera Type 3, 2MP, smart-IR, true WDR, RJ45, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L6mm</p> <p>Artikel-Nr. VKIX2044-1 Mobile IP-Camera Type 3, 2MP, smart-IR, true WDR, M12, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L6mm</p> <p>Artikel-Nr. VKIX2045 Mobile IP-Camera Type 4, 2MP, smart-IR, true WDR, RJ45, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L8mm</p> <p>Artikel-Nr. VKIX2045-1 Mobile IP-Camera Type 4, 2MP, smart-IR, true WDR, M12, 1.080P@30fps, H.265/264/M-JPEG, MIC, IK10, IP66, L8mm</p>
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3 von 3 Artikel aus dem Bereich
ANPR / LPR Cameras
wurden für das PDF ausgewählt.



Short Range LPR Camera NCr-304-VHR

Mid Range LPR Camera NCr-305-VHR

IP Mid Range LPR Camera
NCr-662-VHA

LCD Size			
Image Sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/1,8" 6MP True WDR progressive scan CMOS sensor
Minimal Lux	B/W 0 lux/Color 0.1 lux	B/W 0 lux/Color 0.1 lux	B/W 0 lux / Color 0.1 lux
Lens	Motorized (3-10mm, F1.4) lens	Motorized (9-22mm, F1.5) lens	Motorized 12-40 mm Lens, F2.1
IrisType	P-Iris	P-Iris	P-Iris
Day + Night	x	x	x
IR Distance	Effective up to 30M	Effective up to 50M	Effective up to 40M
IR Control	x	x	x
ICR	x	x	x
WDR	x	x	x
SD	-	-	1x microSD card slot
Removeable Storage	-	-	-
Internal Storage			
Graphic Interface	-	-	-
Interface COM			
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE
Interface IO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2.048 x 1.536 @30 fps 1.920 x 1.080 @60 fps 1.280 x 720 @30 fps 720 x 576 @30 fps 720 x 480 @30 fps 640 x 480 @30 fps 320 x 240 @30 fps	1.080P @ 30fps
Processing	VBR/CBR	VBR/CBR	VBR / CVBR
Codec	H.264/M-JPEG	H.264/M-JPEG	H.264 / M-JPEG
Performance	Triple streaming	Triple streaming	Triple streaming
Audio	Line-In, Line-Out	Line-In, Line-Out	Line-In, Line-Out, 2x 3,5 mm phone jack
Input Voltage Nominal	DC12V / AC 24V terminal block	DC12V / AC 24V terminal block	12VDC / 24VAC terminal block
Input Current	14.3W max	14.3W max	18W max.
Battery	-	-	-
Operating Temperature	-40°C to 60°C	-40°C to 60°C	-40°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90% RH, no condensation	90% RH, no condensation	90% RH, no condensation
Protection	IK10, IP66 / IP67	IK10, IP66 / IP67	IK10, IP66 / IP67
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	406.2 x 161 x 263.3mm (D x W x H)	406.2 x 161 x 263.3mm (D x W x H)	317,23 x 161 x 263,3 mm (D x W x H)
Weight	2.005g	2.005g	3 kg
Typ. Application	-	-	Outdoor

Bestellinformation	Artikel-Nr. VKIX2024 Short Range LPR Camera NCr-304-VHR, -40°C to 60°C 1080P@60fps,H.264/ M-JPEG, true WDR, Smart IR, 3MP	Artikel-Nr. VKIX2035 Mid Range LPR Camera NCr-305-VHR, -40°C to 60°C 1080P@60fps, H.264/M-JPEG, Smart LPR Modes, TrueWDR	Artikel-Nr. VKIX2037 IP Mid Range LPR Camera NCr-662-VHA, -40°C to 60°C, 6MP 1.080P@30fps, H.264/M-JPEG, trueWDR, MicroSD, P-Iris
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4 von 4 Artikel aus dem Bereich
Box Cameras
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IP Box Camera NCb-211



IP Box Camera NCb-221



IP Box Camera NCb-301

LCD Size			
Image Sensor	1/3" progressive scan CMOS sensor	Sony 1/2" Exmor image sensor	1/3" 3MP True WDR progressive scan CMOS sensor
Minimal Lux	B/W 0.01 lux / Color 0.1 lux	B/W 0.005 lux/Color 0.05 lux	B/W 0.01 lux / Color 0.1 lux
Lens	CS mount	-	Motorized (3-10mm, F1.4) lens
IrisType	DC Iris	-	P-Iris
Day + Night	x	Yes (with ICR & Light sensor)	x
IR Distance	-	-	-
IR Control	-	-	-
ICR	x	x	x
WDR	x	x	x
SD	-	-	-
Removeable Storage	Micro SD Slot	Micro SD Slot	Micro SD Slot
Internal Storage			
Graphic Interface	-	-	-
Interface COM			
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ-45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	1920 x 1080@30 fps 1280 x 720@30 fps 720 x 576@30 fps 720 x 480@30 fps 640 x 480@30 fps 320 x 240@30 fps	2048x1536@30 fps 1920x1080@60 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR	VBR/CBR	VBR/CBR
Codec	H.264 / M-JPEG	H.264/M-JPEG	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Dual-streaming	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	1x 3.5mm phone jack	2x 3.5 mm phone jack	1x 3.5mm phone jack
Input Voltage Nominal	DC12V/AC 24V terminal block	DC 12V/AC 24V terminal block	DC12V/AC 24V terminal block
Input Current	-	-	-
Battery	-	-	-
Operating Temperature	0°C to 60°C	-20°C to 60°C	0°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90%, non-condensing	90% RH, non-condensing	90%, non-condensing
Protection	-	-	-
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	126 x 73.27 x 64mm (D x W x H)	126 x 73.27 x 64 mm (D x W x H)	145 x 73.27 x 64mm (D x W x H)
Weight	-	470g	-
Typ. Application	-	-	-

Bestellinformation	Artikel-Nr. VKIX2000 IP Box Camera NCb-211, 0° C ~ 60° C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, w/o Lens	Artikel-Nr. VKIX2003 IP Box Camera NCb-221, -20°C to 60°C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, w/o Lens	Artikel-Nr. VKIX2001 IP Box Camera NCb-301, 0° C ~ 60° C, 3M, 1080P@60fps, H.264/ M-JPEG, trueWDR, MicroSD, w.L3-10m
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Box Cameras
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IP Box Camera Ncb-311

LCD Size	
Image Sensor	1/3" 3MP progressive scan CMOS sensor
Minimal Lux	B/W 0.01 lux / Color 0.1 lux
Lens	CS mount
IrisType	DC-Iris
Day + Night	x
IR Distance	-
IR Control	-
ICR	x
WDR	x
SD	-
Removeable Storage	Micro SD Slot
Internal Storage	
Graphic Interface	-
Interface COM	
Interface USB	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3at PoE
Interface IO	1x DI, 1x DO GPIO
Resolution	2048x1536@20 fps 1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR
Codec	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	1x 3.5mm phone jack
Input Voltage Nominal	DC12V/AC 24V terminal block
Input Current	-
Battery	-
Operating Temperature	0°C to 60°C
Storage Temperature	-
Relative Humidity	90%, non-condensing
Protection	-
Certification	CE, FCC
Dimensions	126 x 73.27 x 64mm (D x W x H)
Weight	-
Typ. Application	-

Bestellinformation	Artikel-Nr. VKIX2002 IP Box Camera Ncb-311, 0° C ~ 60° C, 3M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, w/o Lens
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IP Indoor Dome Camera NCI-211



IP Indoor Dome Camera NCI-211-R



IP Indoor Dome Camera NCI-212

LCD Size			
Image Sensor	1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor
Minimal Lux	B/W 0.01 lux / Color 0.1 lux	B/W 0.01 lux / Color 0.1 lux	B/W 0.05 lux / Color 0.1 lux
Lens	varifocal (3-10mm, F1.3)	varifocal (3-10mm, F1.3)	Fixd Lens 2.8mm F 2.0 option /3.6 mm F1.8
IrisType	DC-Iris	DC-Iris	Fixed Iris
Day + Night	x	x	x
IR Distance	-	Effective up to 15 meter	-
IR Control	-	Smart IR	-
ICR	x	x	-
WDR	x	x	x
SD	-	-	-
Removeable Storage	Micro SD Slot	Micro SD Slot	Micro SD Slot
Internal Storage			
Graphic Interface	-	-	-
Interface COM			
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	1920x1080@30 fps 1280X720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	1920x1080@30 fps 1280X720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR	VBR/CBR	VBR/CBR
Codec	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	-	-	-
Input Voltage Nominal	DC12V terminal block	DC12V terminal block	DC12V terminal block
Input Current	-	-	-
Battery	-	-	-
Operating Temperature	0°C to 60°C	0°C to 60°C	0°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90%, non-condensing	90%, non-condensing	90%, non-condensing
Protection	-	-	-
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	Ø112.25 x 76.35 mm (H)	Ø112.25 x 76.35 mm (H)	Ø 91.2 x 151.2 mm (H)
Weight	-	-	-
Typ. Application	-	-	-

Bestellinformation	Artikel-Nr. VKIX2010 IP Indoor Dome Camera NCI-211, 0° C ~ 60° C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, VL3-10mm	Artikel-Nr. VKIX2011 IP Indoor Dome Camera NCI-211R, 0° C ~ 60° C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, w.L+HR15M	Artikel-Nr. VKIX2012 IP Indoor Dome Camera NCI-212, 0° C ~ 60° C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, fix.L3.6mm
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IP Indoor Dome Camera NCI-301-V



IP Indoor Dome Camera NCI-311



IP Indoor Dome Camera NCI-311-R

LCD Size			
Image Sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor
Minimal Lux	B/W 0.01 lux/Color 0.1 lux	B/W 0.01 lux/Color 0.1 lux	B/W 0 lux/Color 0.1 lux
Lens	Motorized (3-10mm, F1.4) lens	varifocal (3-10mm, F1.3)	Varifocal (3-10mm, F1.3)
IrisType	P-Iris	DC-Iris	DC-Iris
Day + Night	x	x	x
IR Distance	-	-	Effective up to 15 meter
IR Control	-	-	Smart IR
ICR	x	x	x
WDR	x	x	x
SD	-	-	-
Removeable Storage	Micro SD Slot	Micro SD Slot	Micro SD Slot
Internal Storage			
Graphic Interface	-	-	-
Interface COM			
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	2048x1536@30 fps 1920x1080@60 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	2048x1536@20 fps 1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	2048x1536@20 fps 1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR	VBR/CBR	VBR/CBR
Codec	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	Terminal block 1x in / 1x out	-	-
Input Voltage Nominal	DC 12V/AC 24V terminal block	DC 12V terminal block	DC 12V terminal block
Input Current	-	-	-
Battery	-	-	-
Operating Temperature	0°C to 60°C	0°C to 60°C	0°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90%, non-condensing	90%, non-condensing	90%, non-condensing
Protection	IK10	-	-
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	Ø 134.9 x 119 mm (H)	Ø 112.25 x 76.35 mm (H)	Ø 112.25 x 76.35 mm (H)
Weight	-	-	-
Typ. Application	-	-	-

Bestellinformation	Artikel-Nr. VKIX2013 IP Indoor Dome Camera NCI-301-V, -40°C ~ 60°C, 3M, 1080P@60fps, H.264/ M-JPEG, trueWDR, MicroSD, ZL3-10mm	Artikel-Nr. VKIX2014 IP Indoor Dome Camera NCI-311, 0° C ~ 60° C, 3M , 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, 3-10mmVL	Artikel-Nr. VKIX2015 IP Indoor Dome Camera NCI-311-R, 0° C ~ 60° C, 3M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, w.L+ IR15M
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Indoor Dome Cameras
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IP Indoor Dome Camera NCI-312

LCD Size	
Image Sensor	1/3" 3MP progressive scan CMOS sensor
Minimal Lux	B/W 0.05 lux/Color 0.1 lux
Lens	Fix Lens 3.6mm F1.8, option 2.8mm F1.8
IrisType	Fixed Iris
Day + Night	x
IR Distance	-
IR Control	-
ICR	-
WDR	x
SD	-
Removeable Storage	Micro SD Slot
Internal Storage	
Graphic Interface	-
Interface COM	
Interface USB	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	1x DI, 1x DO GPIO
Resolution	2048x1536@20 fps 1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR
Codec	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	-
Input Voltage Nominal	DC 12V terminal block
Input Current	-
Battery	-
Operating Temperature	0°C to 60°C
Storage Temperature	-
Relative Humidity	90%, non-condensing
Protection	-
Certification	CE, FCC
Dimensions	Ø 91.2 x 151.2 mm (H)
Weight	-
Typ. Application	-

Bestellinformation	Artikel-Nr. VKIX2016 IP Indoor Dome Camera NCI-312, 0° C ~ 60° C, 3M, 1080P@30fps, H.264/M-JPEG, trueWDR, MicroSD, f.L3,6mm
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2 von 2 Artikel aus dem Bereich
Outdoor Dome Cameras
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**IP Outdoor Dome Camera
NCo-201-VHR**



**IP Outdoor Dome Camera
NCo-301-VHR**

LCD Size		
Image Sensor	1/3" progressive scan CMOS sensor	1/3" 3M True WDR progressive scan CMOS
Minimal Lux	B/W 0 lux/Color 0.1 lux	B/W 0 lux/Color 0.1 lux
Lens	Motorized (3-10mm, F1.4)	Motorized (3-10mm, F1.4)
IrisType	P-Iris	P-Iris
Day + Night	x	x
IR Distance	Effective up to 25 meter	Up to 25 meter / 82 feet
IR Control	Smart IR	Smart IR
ICR	x	x
WDR	x	x
SD	-	-
Removeable Storage	Micro SD Slot	Micro SD Slot
Internal Storage		
Graphic Interface	-	-
Interface COM		
Interface USB	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ-45 10/100/1000 BASE-T, IEEE 802.3af PoE
Interface IO	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	1920x1080@30 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps	2048x1536@30 fps 1920x1080@60 fps 1280x720@30 fps 720x576@30 fps 720x480@30 fps 640x480@30 fps 320x240@30 fps
Processing	VBR/CBR	VBR / CBR
Codec	H.264 / M-JPEG	H.264 / M-JPEG
Performance	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream 2/ MJPEG Stream 3
Audio	1x 3.5mm phone jack	Terminal block 1x On / 1x Out
Input Voltage Nominal	DC 12V/AC 24V terminal block	DC12V/AC 24V terminal block
Input Current	-	
Battery	-	
Operating Temperature	-40°C to 60°C	-40°C to 60°C
Storage Temperature	-	-
Relative Humidity	90%, non-condensing	90%, non-condensing
Protection	IK 8, IP 67	IK 10
Certification	CE, FCC	CE, FCC
Dimensions	145.6mm x 125.7 mm (H)	145.6mm x 125.7 mm (H)
Weight	-	-
Typ. Application	-	-

Bestellinformation	Artikel-Nr. VKIX2040 IP Outdoor Dome Camera Nco-201-VHR, -40°C-60°C, 2M, 1080P@30fps, H.264/M-JPEG, true WDR, MicroSD, Z.L,IR25M	Artikel-Nr. VKIX2041 IP Outdoor Dome Camera Nco-301-VHR, -40°C-60°C, 3M, 1080P@60fps, H.264/M-JPEG, trueWDR, MicroSD, Z.L,IR25M
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Box Cameras
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**IP 180° Multi Sensor Panoramic
Camera NCP-201**



**IP 180° Multi Sensor Panoramic
Camera NCP-501**

LCD Size		
Image Sensor	8MP, 4pcs 1/2,7" 2MP CMOS progressive sensor	20MP, 4pcs 1/1,8" 5MP CMOS progressive sensor
Minimal Lux	B/W 0 lux / Color 0.1 lux @ F1.8 1/15 sec	B/W 0 lux / Color 0.1 lux @ F1.8 1/15 sec
Lens	4x fixed Lens 6 mm F2.0	4x fixed Lens 5,5 mm F1.8
IrisType	-	-
Day + Night	x	x
IR Distance	Effective distance is up to 30M	Effective distance is up to 30M
IR Control	x	x
ICR	-	-
WDR	x	x
SD	-	-
Removeable Storage	-	-
Internal Storage	-	-
Graphic Interface	-	-
Interface COM	-	-
Interface USB	-	-
Interface LAN	RJ45 10/100 BASE-T, IEEE 802.3at (PoE+) PoE	RJ45 10/100 BASE-T, IEEE 802.3at (PoE+) PoE
Interface IO	-	-
Resolution	8MP @ 30fps	20MP @ 30fps
Processing	VBR / CBR	VBR / CBR
Codec	H.265 / H.264	H.265 / H.264
Performance	Triple streaming	Triple streaming
Audio	-	-
Input Voltage Nominal	12VDC / 24VAC terminal block	12VDC / 24VAC terminal block
Input Current	TBD	TBD
Battery	-	-
Operating Temperature	-40°C to 60°C	-40°C to 60°C
Storage Temperature	-	-
Relative Humidity	90% RH, no condensation	90% RH, no condensation
Protection	IK10, IP66	IK10, IP66
Certification	CE, FCC	CE, FCC
Dimensions	Ø 196 / Height 188,4 mm	Ø 196 / Height 188,4 mm
Weight	1,6 kg	1,6 kg
Typ. Application	Outdoor	Outdoor

Bestellinformation	Artikel-Nr. VKIX2060 IP 180° Multi Sensor Panoramic Camera NCP-201, -40°C to 60°C, 8MP@30fps, H.265/H.264, trueWDR, F.L.6mm	Artikel-Nr. VKIX2061 IP 180° Multi Sensor Panoramic Camera NCP-501, -40°C to 60°C, 20MP@30fps, H.265/H.264, trueWDR, F.L.5,5mm
	Artikel-Nr. VKIZ3050 Accessory for IP 180° Multi Sensor Panoramic Cameras, Wall Mount Bracket	Artikel-Nr. VKIZ3050 Accessory for IP 180° Multi Sensor Panoramic Cameras, Wall Mount Bracket
	Artikel-Nr. VKIZ3051 Accessory for IP 180° Multi Sensor Panoramic Cameras, Pendant Mount	Artikel-Nr. VKIZ3051 Accessory for IP 180° Multi Sensor Panoramic Cameras, Pendant Mount

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IR Bullet Cameras
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IP IR Bullet Camera NCr-212-OVR



IP IR Bullet Camera NCr-302-VHR



IP IR Bullet Camera NCr-303-VHR

LCD Size			
Image Sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor
Minimal Lux	B/W 0 lux/Color 0.1 lux	B/W 0 lux/Color 0.1 lux	B/W 0 lux/Color 0.1 lux
Lens	Fixed Lens (3.6.4.2/6 mm lens optional)	Motorized (3-10mm, F1.4) lens	Motorized (9-22mm, F1.5) lens
IrisType	Fixed-Lens	P-iris	P-Iris
Day + Night	x	YES (True D/N)	x
IR Distance	Effective up to 25 meter	Effective up to 20 meters	Effective up to 40 meters
IR Control	Smart IR	Smart IR	Smart IR
ICR	x	x	x
WDR	x	x	x
SD	-	-	-
Removeable Storage	-	Micro SD Slot	Micro SD slot
Internal Storage			
Graphic Interface	-	-	-
Interface COM			
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ-45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE
Interface IO	-	1x DI, 1x DO GPIO	1x DI, 1x DO GPIO
Resolution	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048 x 1536 @30 fps 1920 x 1080 @60 fps 1280 x 720 @30 fps 720 x 576 @30 fps 720 x 480 @30 fps 640 x 480 @30 fps 320 x 240 @30 fps	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
Processing	VBR/CBR	VBR/CBR	VBR/CBR
Codec	H.264/M-JPEG	H.264/M-JPEG	H.264/M-JPEG
Performance	Triple streaming	Triple streaming	Triple streaming
Audio	-	1x 3.5 mm phone jack	1x 3.5 mm phone jack
Input Voltage Nominal	-	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block
Input Current	7W max	20W	-
Battery	-	-	-
Operating Temperature	-20°C to 60°C	-40°C to 60°C	-40°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90% RH, non-condensing	90% RH, non-condensing	90% RH, non-condensing
Protection	IP67	IK8, IP66	IK08, IP66
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	tbd.	406.2 x 161 x 263.3mm	406.2 x 161 x 263.3mm (D x W x H)
Weight	tbd.	-	tbd.
Typ. Application	-	-	-

Bestellinformation	Artikel-Nr. VKIX2025 IP IR Bullet Camera NCr-212-OVR, -20°C to 60° C, 2M, 1080P@30fps, H.264/ M-JPEG, DWDR, Smart IR	Artikel-Nr. VKIX2021 IP IR Bullet Camera NCr-302-VHR, -40°C to 60°C, 3M, 1080P@60fps, H.264/ M-JPEG, trueWDR, MicroSD, Z.L3-10m	Artikel-Nr. VKIX2023 IP IR Bullet Camera NCr-303-VHR, -40°C to 60°C, 3M, 1080P@30fps, H.264/ M-JPEG, DWDR, MicroSD, F.L+IR20M
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**IP IR Vandal Bullet Camera
NCr-306-VHR**

IP IR Mini Bullet Camera NCr-312-OVR

IP IR Bullet Camera NCr-661-VHA

LCD Size			
Image Sensor	1/3" 3MP true WDR progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/1,8" 6MP true WDR progressive scan CMOS sensor
Minimal Lux	B/W 0 lux / Color 0.1 lux	B/W 0 lux/Color 0.1 lux	BB/W 0 lux / Color 0,1 lux @ F1,5 1/15 sec
Lens	Motorized (3,3-10 mm, F1.3) lens	Fixed Lens (3.6.4.2/6 mm lens optional)	Motorized (3,6-10mm, F1,5) lens
IrisType	P-Iris	Fixed-Lens	P-iris
Day + Night	x	x	YES (True D/N)
IR Distance	Effective up to 30M	Effective up to 25 meter	Effective up to 30 meters
IR Control	Smart IR	Smart IR	Adaptive IR
ICR	x	x	x
WDR	x	x	x
SD	1x microSD card slot	-	-
Removeable Storage	-	-	Micro SD Slot
Internal Storage	-	-	-
Graphic Interface	-	-	-
Interface COM	-	-	-
Interface USB	-	-	-
Interface LAN	RJ45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ-45 10/100/1000 BASE-T, IEEE 802.3af PoE	RJ45 10/100/1000 BASE-T, IEEE 802.3at (PoE+) PoE
Interface IO	1x DI, 1x DO GPIO	-	1x DI, 1x DO GPIO
Resolution	1.080P @ 60fps	2048x1536 @20 fps 1920x1080 @30 fps 1280X720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	Maximum 2.592 x 1.944 @ 30 fps
Processing	VBR / CBR	VBR/CBR	VBR/CBR
Codec	H.264 / M-JPEG	H.264/M-JPEG	H.265 / H.264 / M-JPEG
Performance	Triple streaming	Triple streaming	Triple streaming
Audio	Line-In, Line-Out, 2x 3,5 mm phone jack	-	1x 3,5 mm phone jack
Input Voltage Nominal	12VDC / 24VAC terminal block	-	12VDC / AC 24V terminal block
Input Current	13W max.	-	14,3W
Battery	-	-	-
Operating Temperature	-40°C to 60°C	-20°C to 60°C	-40°C to 60°C
Storage Temperature	-	-	-
Relative Humidity	90% RH, no condensation	90% RH, non-condensing	90% RH, non-condensing
Protection	IK10, IP66 / IP67	IP67	IK10, IP66, IP67
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	406,2 x 161 x 263,3 mm (D x W x H)	tbd.	406,2 x 161 x 263,3 mm (D x W x H)
Weight	2 kg	tbd.	2 kg
Typ. Application	Outdoor	-	-

Bestellinformation	Artikel-Nr. VKIX2036 IP IR Vandal Bullet Camera NCr-306-VHR, -40°C to 60°C, 3MP, 1.080P@60fps, H.264/M-JPEG, trueWDR, MicroSD, P-Iris	Artikel-Nr. VKIX2022 IP IR Bullet Camera NCr-312-OVR, -20°C to 60°C, 3MP, 1080P@30fps, H.264/ M-JPEG, DWDR, Smart IR	Artikel-Nr. VKIX2034 IP IR Bullet Camera NCr-661-VHA, -40°C to 60°C, 6MP, 1.080P@30fps, H.265/H.264/M-JPEG, trueWDR, MicroSD, Z.L3,6-10mm
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In-Vehicle PoE Switch VES31-4S



In-Vehicle PoE Switch w/ 5x Gigabit Ethernet



Railway PoE Switch VES31-4SR

Cooling System		Fanless	
Mounting System	Wall Mount, DIN Rail	Wall Mount, DIN Rail	Wall Mount, DIN Rail
Interface LAN	2x RJ45 10/100/1000 BASE-T, 4x PoE	5x 10/100/1.000MBit/s Gigabit Ethernet RJ-45 Ports 10/100/1000 BASE-T, 4x high PoE+ RJ-45 Ports PoE	2x M12 10/100/1000 BASE-T, 4x PoE
Interface IO	-	-	-
Input Voltage Nominal		-	
Input Voltage Min/Max	9 to 36VDC	48 to 55VDC	24VDC
Output Voltage Nominal		-	
Input Current	60W	5,5W (w/o PoE) / 120W (w/ PoE)	120W
Redundant Power Supply		x	
Operating Temperature	-40°C to 75°C	-10°C to 70°C	Ambient with air -40°C to 70°C
Extended Operating Temperature		-40°C to 75°C	
Storage Temperature	-35°C to 85°C	-40°C to 85°C	-35°C to 85°C
Relative Humidity	10% to 90% (non-condensing)	5% to 95% RH, non-condensing	10% to 90% (non-condensing)
Protection	Low input voltage protection	P30 metal housing, Surge protection: 2.000VDC, ESD: 6.000VDC	Low input voltage protection
Certification	CE, e13 (Vehicle), MIL-STD-810G, FCC	CE, FCC	CE, EN50155 (Railway), MIL-STD-810G, FCC
Dimensions	167 x 51,5 x 139,6 mm	30 x 95 x 75 mm (W x H x D)	167 x 85 x 139,6 mm
Weight	1 KG	-	1 KG
Material		metal housing	

Bestellinformation	Artikel-Nr. PZNS1002 In-Vehicle PoE Switch VES31-4S, -40°C to 70°C 4x RJ45 GbE PoE, 2x RJ45 GbE LAN, 9-36VDC	Artikel-Nr. PZNS1010 In-Vehicle PoE Switch w/ 5x Gigabit Ethernet, IP30 4x RJ45 10/100/1.000 PoE+ port, 48-55VDC, -10°C to 70°C Artikel-Nr. PZNS1010-1 In-Vehicle PoE Switch w/ 5x Gigabit Ethernet, IP30 4x RJ45 10/100/1.000 PoE+ port, 48-55VDC, -40°C to 75°C	Artikel-Nr. PZNS1004 Railway PoE Switch VES31-4SR, -40°C to 70°C 4x M12 GbE PoE, 2x M12 GbE LAN, 24VDC
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In-Vehicle PoE Switch VES31-8S



In-Vehicle PoE Switch w/ 8x Gigabit Ethernet



Railway PoE Switch VES31-8SR

Cooling System		Fanless	
Mounting System	Wall Mount, DIN Rail	Wall Mount, DIN Rail	Wall Mount, DIN Rail
Interface LAN	2x RJ45 10/100/1000 BASE-T, 8x PoE	8x 10/100/1.000Mbit/s Gigabit Ethernet RJ-45 Ports 10/100/1000 BASE-T, 8x high PoE+ RJ-45 Ports PoE	2x M12 10/100/1000 BASE-T, 8x PoE
Interface IO	-	-	-
Input Voltage Nominal			
Input Voltage Min/Max	9 to 36VDC	12 to 36VDC	24VDC
Output Voltage Nominal			
Input Current	120W	10W (w/o PoE) / 250W (w/ PoE)	120W
Redundant Power Supply		x	
Operating Temperature	-40°C to 75°C	-10°C to 70°C	Ambient with air -40°C to 70°C
Extended Operating Temperature			
Storage Temperature	-35°C to 85°C	-40°C to 85°C	-35°C to 85°C
Relative Humidity	10% to 90% (non-condensing)	5% to 95% RH, non-condensing	10% to 90% (non-condensing)
Protection	Low input voltage protection	P30 metal housing, Surge protection: 2.000VDC, ESD: 8.000VDC, Overload current protection	Low input voltage protection
Certification	CE, e13 (Vehicle), MIL-STD-810G, FCC	CE, e13 (Vehicle), FCC	CE, EN50155 (Railway), MIL-STD-810G, FCC
Dimensions	167 x 51,5 x 139,6 mm	41 x 144,3 x 94,9 mm (W x H x D)	167 x 85 x 139,6 mm
Weight	1 KG	-	1 KG
Material		metal housing	

Bestellinformation	Artikel-Nr. PZNS1003 In-Vehicle PoE Switch VES31-8S, -40°C to 70°C 8x RJ45 GbE PoE, 2x RJ45 GbE LAN, 9-36VDC	Artikel-Nr. PZNS1020-1 In-Vehicle PoE Switch w/ 8x Gigabit Ethernet, IP30 8x RJ45 10/100/1.000 PoE+ port, 12-36V, -40 to 70°C	Artikel-Nr. PZNS1005 Railway PoE Switch VES31-8SR, -40°C to 70°C 8x M12 GbE PoE, 2x M12 GbE LAN, 24VDC
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PoE Injectors
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**Power over Ethernet Injektor 1x
10/100MBit**

**Power over Ethernet Injektor 1x
10/100/1.000MBit**

Cooling System	Lüfterlos - Free air cooling	Lüfterlos - Free air cooling
Mounting System	Wall Mount, DIN Rail	Wall Mount, DIN Rail
Interface LAN	10/100 BASE-T, PoE	10/100/1000 BASE-T, PoE
Interface IO	-	-
Input Voltage Nominal	-	-
Input Voltage Min/Max	10 - 36VDC	10 - 36VDC
Output Voltage Nominal	48V	48V
Input Current	16,8W	16,8W
Redundant Power Supply	-	-
Operating Temperature	-25°C bis +50°C / -40°C bis +75°C / -40°C bis +85°C	-25°C bis +50°C / -25°C bis +85°C
Extended Operating Temperature		
Storage Temperature	-40°C bis +85°C	-40°C bis +85°C
Relative Humidity	5% bis 90% (nicht kondensierend)	5% bis 90% (nicht kondensierend)
Protection	Input Protection: Sicherung	Input Protection: Sicherung
Certification	EN60950, Class B FCC	EN50155 (Railway), EN60950, Class B FCC
Dimensions	82/86 x 73/76 x 35/36 mm (L x B x H)	82/86 x 73/76 x 35/36 mm (L x B x H)
Weight	-	-
Material	Kunststoff- oder Metallgehäuse	Kunststoff- oder Metallgehäuse

Bestellinformation	<p>Artikel-Nr. PZNI1000 Power over Ethernet PoE Injektor 1x 10/100MBit, Kunststoff, Vin:10-36VDC Vout: IEEE 802.3af, Wandbefestigung, -40°C bis 75°C</p>	<p>Artikel-Nr. PZNI1010 Power over Ethernet Injektor 1x 10/100/1.000MBit, Kunststoff, Vin: 10-36VDC Vout: IEEE 802.3af, Wandbefestigung, -25°C bis 50°C</p>
	<p>Artikel-Nr. PZNI1001 Power over Ethernet PoE Injektor 1x 10/100MBit, Kunststoff, Vin:10-36VDC Vout: IEEE 802.3af, Hutschiene, -40°C bis 75°C</p>	<p>Artikel-Nr. PZNI1011 Power over Ethernet PoE Injektor 1x 10/100/1.000MBit, Kunststoff, Vin: 10-36VDC Vout: IEEE 802.3af, Hutschiene, -25°C bis 50°C</p>
	<p>Artikel-Nr. PZNI1004 Power over Ethernet PoE Injektor 1x 10/100MBit, Metall, Vin:10-36VDC Vout: IEEE 802.3af, Wandbefestigung, -40°C bis 85°C</p>	<p>Artikel-Nr. PZNI1012 Power over Ethernet PoE Injektor 1x 10/100/1.000MBit, Metall, Vin: 10-36VDC Vout: IEEE 802.3af, Wandbefestigung, -25°C bis 85°C</p>
	<p>Artikel-Nr. PZNI1005 Power over Ethernet PoE Injektor 1x 10/100MBit, Metall, Vin:10-36VDC Vout: IEEE 802.3af, Hutschiene, -40°C bis 85°C</p>	<p>Artikel-Nr. PZNI1013 Power over Ethernet PoE Injektor 1x 10/100/1.000MBit, Metall, Vin: 10-36VDC Vout: IEEE 802.3af, Hutschiene, -25°C bis 85°C</p>

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