roline®

Designed for Professionals

Security Technology
IP Camera, HD-TVI Camera, NVR and Software

2016/2017

INDEX

FREE

TECHNOLOGY

Resolution

Resolution refers to the number of pixels in a horizontal row and vertical column of an image. The higher the resolution, the more information can be rendered and thus the better image quality. A megapixel network camera features a resolution at least three times larger than that of an analog CCTV camera (traditionally 0.3 megapixel). It is mainly used in video surveillance in wide open areas or scenarios where accurate identification is needed, such as license plate recognition or face recognition.

Smart IR

When the Smart IR function is enabled, the camera automatically adjusts the IR lighting intensity in order to avoid overexposure in night mode and is highly beneficial in capturing usable video when the object of interest is close to the camera and IR LEDs.

Smart IR on   Smart IR off

Digital PTZ

By simulating the PTZ operations, Digital PTZ allows users to move up / down / left / right after zoom-in on the monitoring view for more detail checking.

ONVIF compliant

All Roline products support ONVIF. No compliant issues with other ONVIF products.

Removable IR-cut filter for Day & Night function

When detecting low light environment, the IRcut filter will work automatically switching from day mode to night mode to provide clear view.

Motion Detection

Cameras provide the motion detection feature to lower storage requirements by only recording when motion is present.

Rotate Mode

In a vertical-shaped scene such as hallway or corridor, a horizontal shaped image could result in pixel wasting but with rotate mode cameras can maximize the whole pixel usage.
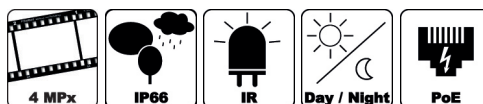

Horizontal Mode   Rotate Mode

ROLINE Fix Bullet IP Camera

RBOF4-1

| 4 MPx | IP66 | IR | Day / Night | PoE |

The ROLINE RBOF series is a compact PoE Day / Night network Camera for outdoor use with up to 4 megapixel resolution. The high resolution in combination with a smooth playback with up to 25 images per second enables an accurate identification. This ultra-compact camera bullet has an IP66 certified enclosure and can be used outdoors. The RBOF series has an IR cut filter and IR illuminators with a range of up to 30 meters. It is able to adapt to changing light conditions quickly. By integrating a number of advanced standard features such as motion detection, tamper detection, and Power Over Ethernet according to 802.3af, the RBOF series is an ideal solution for your outdoor surveillance

Features:

- Up to 4MPx resolution
- Angle of view: 83° (4mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive Scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Built-in IR Illuminators up to 30 meters
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Electronic shutter for different surveillance environments
- Other functions: alarm, reset button, mirror, etc.
- Compact design, Built-in bracket

Specification:

Model	21.19.7308 – RBOF4-1
Parameter	4 Megapixel CMOS Infrared Network Bullet Camera
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR
Shutter Speed	1/25(1/30) s to 1/100,000 s
Lens	4mm@ F2.0
	Angle of view: 83°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Compression Standard	
Video Compression	H.264/ MJPEG/ H.264+
Video Bit Rate	32 Kbps – 16 Mbps
Dual Stream	Yes
Image	
Max. Resolution	2688 x 1520
Frame Rate	50 Hz: 20 fps (2688 × 1520), 25 fps (1920 x 1080), 25 fps (1280 x 720), 60 Hz: 20 fps (2688 × 1520), 30 fps (1920 x 1080), 30 fps (1280 x 720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Yes, up to 3 configurable areas
Network	
Network Storage	NAS
Alarm Trigger	Motion detection, Dynamic analysis, Tampering alarm
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Security	User Authentication, Watermark
Standard	ONVIF, PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet interface
Reset Button	Yes
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10% PoE (802.3af)
Power Consumption	Max. 5 W
Ingress Protection level	IP66
IR Range	30 meters
Dimensions	62.0 × 62.0 × 162.54 mm (2.4" × 2.4" × 6.4")
Weight	500g (1.1 lbs)

Content: Camera, CD, QIG, drill template, screws

Dimensions:

Unit: mm

Accessory:

Item No: 21.19.7312

ROLINE Fix Bullet WLAN IP Camera
RBOF2-1W

| 2 MPx | IP66 | IR | Day / Night | PoE | WLAN |

ROLINE Fixed Dome WLAN IP Camera
RDOF2-1W
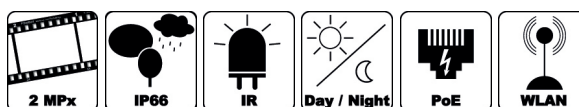
The ROLINE RBOF2-1W/RDOF2-1W is a compact 2 MP Full HD WiFi * / PoE Day / Night network camera for outdoor use. It is equipped with a 2 MP sensor that enables a smooth playback up to 25 fps with a resolution of 1920x1080 pixels. This compact bullet camera can be integrated into the existing network via LAN cable or wireless * and is because of its IP66 certified enclosure suitable for outdoor use. To be able to adapt to changing light conditions in a short time, the RBOF2-1W/RDOF2-1W has an IR cut filter and IR illuminators with a range up to 30 meters.

*For the wireless operation a separate power supply (12V 1.5A) is needed

Features:

- Up to 2 megapixel (1920 × 1080) resolution
- Angle of view: 85°(4mm lens)
- 3D DNR / DWDR / BLC
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
- Built-in IR Illuminators up to 30 meters
- Support Wi-Fi (IEEE802.11b/g, 802.11n Draft), WPS connection
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Support dual stream, and the sub-stream for mobile surveillance
- Electronic shutter for different surveillance environments
- Other functions: heartbeat, mirror, reset button, etc.
- RBOF2-1W: Compact design, Built-in bracket
- RDOF2-1W: Impact Protection

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Specification:

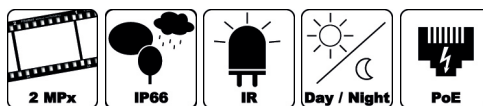| Parameter \ Model	21.19.7306 – RBOF2-1W	21.19.7307 – RDOF2-1W
	Roline 2 MPx Fix Bullet Wi-Fi IP Cam RBOF2-1W	Roline 2 MPx Fixed Dome Wi-Fi Cam RDOF2-1W
Camera		
Image Sensor	1/2.8" Progressive Scan CMOS	
Min. Illumination	0.028Lux @(F1.2,AGC ON) , 0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4mm@ F2.0	
	1920 × 1080: Angle of view: 85°(4mm)	
Lens Mount	M12	
Day &Night	IR cut filter with auto switch	
Digital Noise Reduction	3D Digital Noise Reduction	
WDR	Digital WDR	
Compression Standard		
Video Compression	H.264 / MJPEG	
H.264 encoding level	Main Profile	
Video Bit Rate	32Kbps~8Mbps	
Image		
Max. Resolution	1920 x 1080	
Frame Rate	50Hz: 25fps(1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)	
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser	
Backlight compensation	Yes, zone optional	
ROI	Yes, up to 3 configurable areas	
Network		
Network Storage	Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB; NAS	
Smart function	Intrusion detection, Line crossing detection	
Alarm Trigger	Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour	
Standard	ONVIF, PSIA, CGI, ISAPI	
Interface		
Communication Interface	1 RJ45 10M/100M Ethernet interface	
Wi-Fi Specification		
Wireless Standards	IEEE802.11b, 802.11g, 802.11n Draft	
Frequency Range	2.4 GHz ~ 2.4835 GHz	
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS	
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps, 11g: 14±1.5dBm @ 54Mbps, 11n: 12.5±1.5dBm	
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps	
Wireless Range	Outdoor: 200m, Indoor: 50m (depend on environment)	
General		
Operating Conditions	-30 °C – 60 °C; Humidity 95% or less (non-condensing)	
Power Supply	DC12V±10% / PoE 802.3af	
Power Consumption	5W MAX	
IR Range	Approx. 20 to 30 meters	
Dimensions (mm)	60.4×76.9×139.28 mm (2.4" × 3.0" × 5.5")	Φ111 × 82 (4.4" × 3.2")
Weight	500g (1.1 lbs)	

Content: Camera, CD, QIG, drill template, screws

Dimensions:

76.9
46.5

123.2
139.2

Ø60.5

Ø60.4

79
82

Φ111

Accessory:

Item No: 21.19.7313

Item No: 21.19.7312
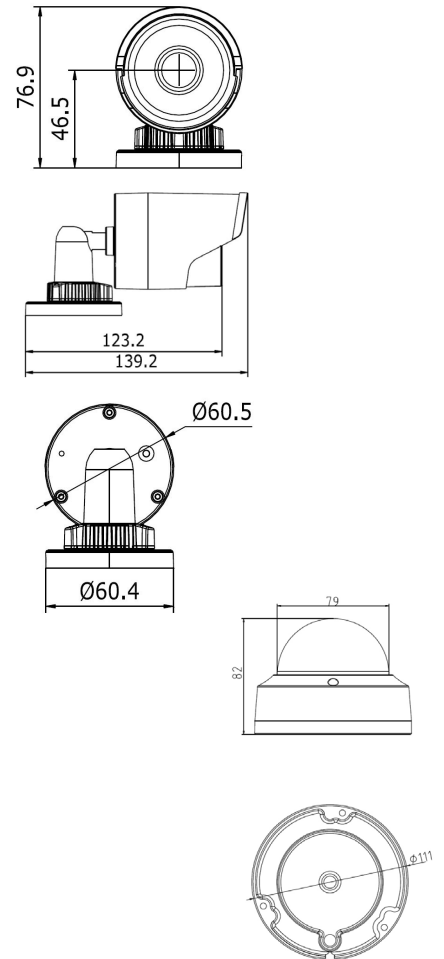
*12V PSU not included

ROLINE 2 MPx Vario Bullet IP Camera

RBOV2-1

| 2 MPx | IP66 | IR | Day / Night | PoE |

The ROLINE RBOV2-1 is a 2MP Full HD PoE Day / Night network camera for outdoor use. It is equipped with a 2-MP sensor that enables a smooth playback up to 25 fps and a resolution of 1920x1080 pixels. This camera bullet has an IP66 certified enclosure and can be used outdoors. To be able to adapt to changing light conditions quickly, the RBOV2-1 features an IR cut filter and IR illuminators with a range of up to 30 meters.

Features:

- Up to 2 megapixel (1920 × 1080) resolution
- Angle of view: 113°-33.8° (2.8 – 12mm Varifocal lens)
- 3D DNR & DWDR & BLC
- Support ROI function
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Built-in IR Illuminators up to 30 meters
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Auto-iris, electronic shutter for different surveillance environments
- Other functions: reset, heartbeat, mirror, etc.
- 3-axis adjustment

Specification:

Dimensions:

| Model / Parameter	21.19.7302 - RBOV2-1
	2 Megapixel Bullet Network Camera
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
Lens	2.8 - 12 mm @ F1.4, Angle of view: 113°-33.8°
Lens Mount	Φ14
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Compression Standard	
Video Compression	H.264/ MJPEG
H.264 Compression Type	BaseLine Profile/Main Profile
Video Bit Rate	32 Kbps – 8 Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.726)/ 32~128Kbps(MP2L2)
Dual Stream	Yes
Image	
Max. Resolution	1920×1080
Frame Rate	50Hz: 25fps(1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Yes, up to 4 configurable areas
Network	
Network Storage	NAS
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage full , Storage error
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Security	User Authentication, Watermark
Standard	ONVIF, PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet interface
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
General	
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10% PoE (802.3af)
Power Consumption	Max. 7.5 W
Ingress Protection level	IP66
IR Range	30 meters
Dimensions	95×105×258.6 mm (3.74" × 4.13" × 10.18")
Weight	1200g

132.9
239.3
Ø105
95
Unit: mm
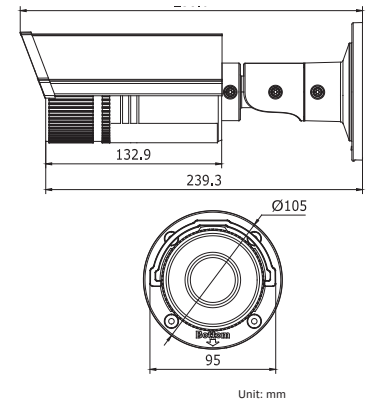
Content: Camera, CD, QIG, drill template, screws

ROLINE Fixed Dome IP Camera
RDOF4-1

4 MPx	IP66	IR	Day / Night	PoE
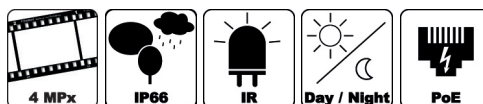
The ROLINE RDOF series is a compact PoE Day / Night network camera for outdoor use with up to 4 megapixel resolution. The high resolution in combination with a smooth playback at up to 25 frames per second allows an accurate identification. This compact and vandal-resistant dome camera is thanks to its IP66 and IK10 certified housing suitable for outdoor use. To be able to adapt to changing light conditions quickly, the RDOF series has an IR cut filter and IR illuminators with a range of up to 30 meters. By integrating a number of advanced standard features such as motion detection, tamper detection, and Power Over Ethernet according to 802.3af, the RBOF series is an ideal solution for your outdoor surveillance.

Features:

- Up to 4MPx resolution
- Angle of view: 83° RDOF4-1 (4mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Built-in IR Illuminators up to 30 meters
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB (RDOF4-1)
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Impact Protection IK10
- Electronic shutter for different surveillance environments
- Other functions: alarm, mirror, etc.
- Compact design

Specification:

Dimensions:

Model	21.19.7309 – RDOF4-1	
Parameter	4 Megapixel CMOS Infrared Network Dome Camera	
Camera		
Image Sensor	1/3" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4mm@ F2.0	
	Angle of view: 83°	
Lens Mount	M12	
Day &Night	IR cut filter with auto switch	
Digital Noise Reduction	3D DNR	
Wide Dynamic Range	Digital WDR	
Compression Standard		
Video Compression	H.264/ MJPEG / H.264+	
Video Bit Rate	32 Kbps – 16 Mbps	
Dual Stream	Yes	
Image		
Max. Resolution	2048 × 1536	2688×1520
Frame Rate	50Hz: 20fps (2688×1520), 25fps(1920×1080), 25fps(1280×720) 60Hz: 20fps (2688×1520), 30fps (1920×1080), 30fps(1280×720)	
Image Settings	Rotate mode, Saturation, Brightness, Contrast	
Backlight compensation	Yes, zone optional	
ROI	Yes, up to 3 configurable areas	
Network		
Network Storage	NAS (Support NFS,SMB/CIFS)	
Alarm Trigger	Motion detection, Dynamic analysis, Tampering alarm	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour	
Security	User Authentication, Watermark	
Standard	ONVIF, PSIA, CGI, ISAPI	
Interface		
Communication Interface	1x RJ45 10M/100M Ethernet interface	
Reset Button	Yes	
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB	
General		
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	
Power Supply	12 V DC ± 10% , PoE (802.3af)	
Power Consumption	Max. 5 W	
Ingress Protection level	IP66	
IR Range	10 - 30 meters	
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10	
Dimensions	Φ111 × 82 (4.4" × 3.2")	
Weight	500g (1.1 lbs)	

Content: Camera, CD, QIG, drill template, screws

Accessory:

Item No: 21.19.7313

coming soon ...

ROLINE 4 MPx PT Wi-Fi IP Camera

RPIF4-1W

| 4 MPx | IR | Day / Night | PoE | PT | WLAN |

The ROLINE RPIF4-1W is a compact pan/tilt 4 Megapixel WiFi / PoE and Day / Night network camera for indoor use. It is equipped with a 4 MP sensor that enables a smooth playback up to 20 fps with a resolution of 2688×1520 pixels. This compact movable camera can be integrated into the existing network via LAN cable or wireless. To be able to adapt to changing light conditions in a short time, the RPIF4-1W has an IR cut filter and IR illuminators with a range up to 10 meters. It is able to adapt to changing light conditions quickly. By integrating of advanced standard features such as motion detection, tamper detection, WiFi and Power over Ethernet according to 802.3af, the RPIF4-1W is an ideal solution for indoor surveillance applications.

Features:

- Up to 4 megapixel (2688 x 1520) resolution
- FullHD 1080p video
- Angle of view: 106°(2,8mm lens)
- Removable IR-cut Filter with auto switch for Day & Night Function
- Dual video streams
- 120dB Wide Dynamic Range
- Pan & tilt rotation
- Built-in Micro SD/SDHC/SDXC card slot, up to 128 GB
- DC12V & PoE
- Support H.264+
- Built-in IR Illuminators up to 10 meters
- Support Wi-Fi (IEEE802.11b/g, 802.11n Draft), WPS connection
- Electronic shutter for different surveillance environments
- Other functions: heartbeat, mirror, reset button, etc.

Specification:

Dimensions:

Model / Parameter	21.19.7311 – RPIF4-1W
	Roline 4 MPx Pan / Tilt Wi-Fi IP Cam RPIF4-1W
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ F1.2, AGC ON , 0.028Lux @ F2.0, AGC ON, 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Lens	2.8mm@ F2.0, Angle of view: 106°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D Digital Noise Reduction
WDR	Digital WDR
P&T rotation	Pan: -90° - 90°, Tilt: 0° - 75
Compression Standard	
Video Compression	H.264 / MJPEG / H.264+
H.264 encoding level	Main Profile
Video Bit Rate	32Kbps - 16Mbps
Dual streams	Support
Image	
Max. Resolution	2688 × 1520
Frame Rate	50Hz: 20fps (2688 x 1520), 25fps (1920 × 1080), 25fps (1280 × 960) 60Hz: 20fps (2688 x 1520), 30fps (1920 × 1080), 30fps (1280 × 960)
Image Settings	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Yes, up to 3 configurable areas
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR, Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet interface
Wi-Fi Specification	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n Draft
Frequency Range	2.4 GHz - 2.4835 GHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps, 11g: 14±1.5dBm @ 54Mbps, 11n: 12.5±1.5dBm
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50m (depend on environment)
General	
Operating Conditions	-10 °C - 40 °C (-14 °F – 104 °F), Humidity 95% or less (non-condensing)
Power Supply	DC12V±10% / PoE 802.3af
Power Consumption	Max. 5W (Max. 7 W with IR cut filter on, max. 9W with pan & tilt rotation)
IR Range	Approx. 10 meters
Dimensions (mm)	Φ119.93 × 87.08mm
Weight	500g (1.1 lb)

Ø119.93

87.08
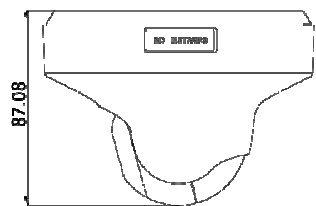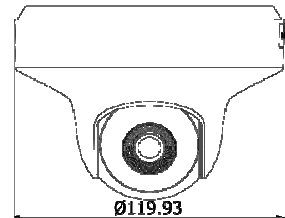
Content: Camera, CD, mounting bracket, screws, power supply

ROLINE 3 MPx Cube IP Camera
RCIF3-1W

The ROLINE RCIF3-1W is a compact 3 MP HD PoE Day / Night network camera for indoor use. It is equipped with a 3-MP sensor that enables smooth playback up to 20 fps and a resolution of 2048 × 1536 pixels. This compact cube camera can be integrated into the existing network via a LAN cable or wireless*. To be able to adapt to changing light conditions quickly, the RCIF3-1W features an IR cut filter and IR illuminators with a range of up to 10 meters. In order to ensure a more accurate detection, the camera has a PIR sensor to detect motion at a distance of 10m.

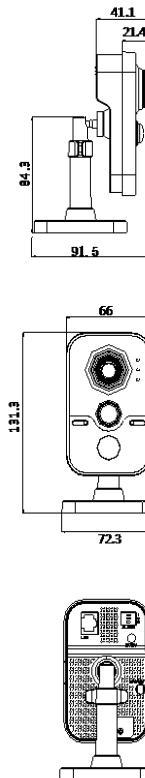***For the wireless operation a separate power supply (12V 1.5A) is needed.**

Features:

- Up to 3 megapixel (2048 X 1536 @ 20 fps) resolution
- Angle of view: 70°(4mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
- Built-in IR Illuminators up to 10 meters
- PIR detection (80° up to 10 meters)
- Two-way audio
- Built-in microphone and speaker
- Support Wi-Fi (IEEE802.11b/g, 802.11n Draft), WPS connection
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Support dual stream, and the sub-stream for mobile surveillance
- Integrated mount for easy installation
- Other functions: heartbeat, mirror, reset button, etc.

Specification:

Dimensions:

| Model / Parameter	21.19.7304 - RCIF3-1W
	3 Megapixel CMOS Alarm Cube Camera
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.07Lux @(F1.2,AGC ON) , 0 Lux with IR
Shutter Speed	1/25(1/30) s to 1/100,000 s
Lens	4mm@ F2.0
	Angle of view: 70°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D Digital Noise Reduction
WDR	Digital WDR
Compression Standard	
Video Compression	H.264 / MJPEG
H.264 encoding level	Main Profile
Video Bit Rate	32Kbps~12Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	2048 × 1536
Frame Rate	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)
	60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Yes, up to 3 configurable areas
Network	
Network Storage	Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB; NAS
Alarm Trigger	Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour(SIP optional)
Standard	ONVIF, PSIA, CGI, ISAPI
General function	Flash-prevention, dual stream, heartbeat, mirror, password protection, video cover, watermark
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet interface
Alarm input / output	1 / 1
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
Wi-Fi Specification	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n Draft
Frequency Range	2.4 GHz ~ 2.4835 GHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps, 11g: 14±1.5dBm @ 54Mbps, 11n: 12.5±1.5dBm
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	Outdoor: 200m, Indoor: 50m (depend on environment)
General	
Operating Conditions	-30 °C – 60 °C; Humidity 95% or less (non-condensing)
Power Supply	DC12V±10% / PoE 802.3af
Power Consumption	5W Max
PIR	Angle: 80° ; Range: 10 meters
IR Range	10 meters
Dimensions (mm)	66 × 91.5 × 131.3(2.60" × 3.60" × 5.17")
Weight	400g (0.88lbs)

Content: Camera, CD, QIG, drill template, screws

ROLINE NVR with PoE

RNR0104P / RNR0216P
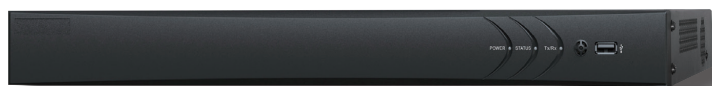
The ROLINE RNR series are Linux-based network video recorders with support for up to 16 network cameras and up to 8 PoE ports. The integrated 4/8 Port PoE switch of the NVR can supply the cameras directly with electricity. Additional to the local display an HDMI or VGA monitor can be connected, the complete operation and configuration is then performed by using the computer mouse. There is no additional PC for video playback required.
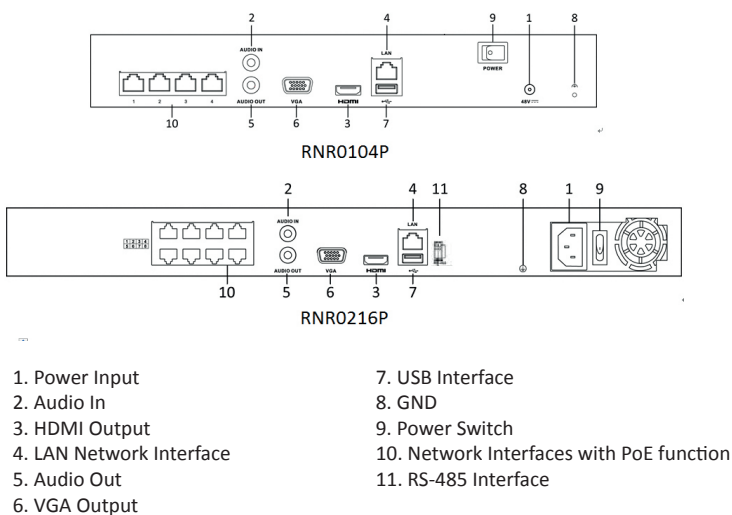
Features:

- 4 channels (RNR0104P) / 16 channels (RNR0216P) Netzwerk-Video-Recorder
- HDMI and VGA output at up to 1920 x 1080 resolution
- HDD quota and group management
- 1x RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
- 4 independent POE ports (RNR0104P) / 8 independent POE ports (RNR0216P)
- Locking and unlocking record files
- Incoming bandwidth: 40 Mbps (RNR0104P) / 80 Mbps (RNR0216P)
- 1x SATA (RNR0104P) / 2x SATA interface (RNR0216P)
- 2x USB 2.0 ports
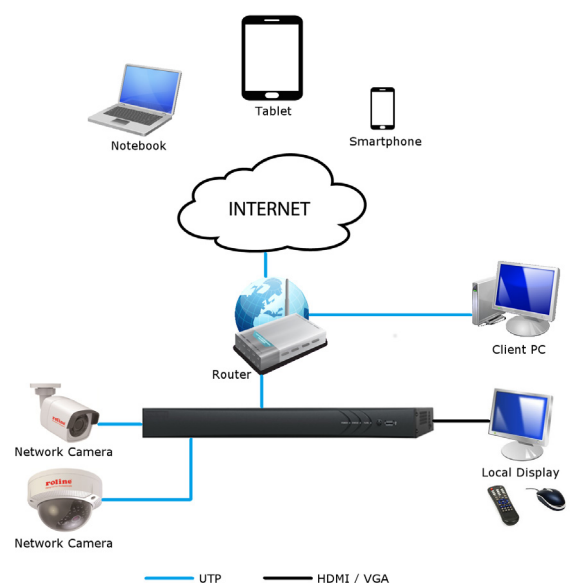- Support network detection, including network delay, packet loss, etc.

Specification:

Parameter \ Model		21.19.7310 - RNR0104P	21.19.7305 - RNR0216P
		4CH NVR with 4-port PoE	16CH NVR with 8-port PoE
Video/Audio input	IP video input	4-ch	16-ch
	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)	
Network	Incoming bandwidth	40Mbps	80Mbps
	Output bandwidth	40Mbps	40Mbps
	Remote connection	128	
Video/Audio output	Recording resolution	5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	HDMI/VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz	
	Audio output	1-ch, RCA (Linear, 1kΩ)	
	Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF /CIF /QCIF	
Hard disk	SATA	1 SATA-interface for 1 HDD (not included)	2 SATA-interface for 2 HDD (not included)
	Capacity	Up to 4TB for each disk	
External interface	Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface	
	Serial interface	No	1 RS-485 half-duplex interface
	USB interface	2 × USB 2.0	
PoE	Interface	4 independent 10 /100 Mbps PoE Ethernet interfaces	8 independent 10 /100 Mbps PoE Ethernet interfaces
	Output Consumption	50W	120W
	Supported Standard	802.3af and 802.3at	802.3af
Others	Power supply	48V DC	100~240VAC, 47~63Hz, 3A
	Consumption	≤ 10 W (without hard disk)	≤ 15 W (without hard disk)
	Working temperature	-10 ºC ~ +55 ºC	
	Working humidity	10 % ~ 90 %	
	Dimensions (W × D × H)	315 × 230 × 45mm	445 × 290 × 45mm
	Weight	≤ 1 Kg (without hard disk)	≤ 2 Kg (without hard disk)

Contents: NVR, CD, QIG, power supply (RNR0104P)

Connection:

RNR0104P

RNR0216P

1. Power Input
2. Audio In
3. HDMI Output
4. LAN Network Interface
5. Audio Out
6. VGA Output

7. USB Interface
8. GND
9. Power Switch
10. Network Interfaces with PoE function
11. RS-485 Interface

Application:

Tablet
Notebook
Smartphone
INTERNET
Router
Client PC
Network Camera
Local Display
Network Camera
UTP — HDMI / VGA

VALUE Fix Bullet IP Camera

VBOF1-1/ VBOF2-1

1,3 MPx	2 MPx	IP66	IR	Day / Night	PoE
VBOF1-1	VBOF2-1				
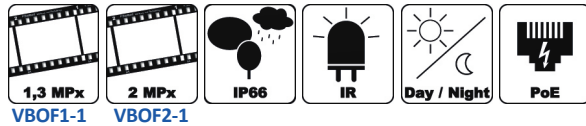
The VALUE VBOF series is a compact HD PoE Day / Night network camera with up to 2 megapixel resolution for outdoor use. The high resolution in combination with a smooth playback at up to 25 frames per second allows an accurate identification. This ultra-compact camera bullet has an IP66 certified enclosure and ready for outdoor use. To be able to adapt to changing light conditions quickly, the VBOF series has an IR cut filter and IR illuminators with a range of up to 30 meters. By integrating a number of advanced standard functions, such as motion detection, tamper detection, and Power Over Ethernet according to 802.3af, the VBOF series is an ideal solution for your outdoor surveillance.
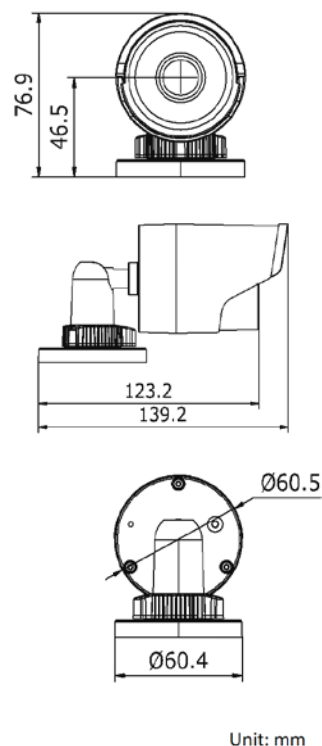
Features:

- Up to 1.3MPx VBOF1-1 / 2MPx VBOF2-1 resolution
- Angle of view: 73.1° VBOF1-1 / 79° VBOF2-1 (4mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive Scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Built-in IR Illuminators up to 30 meters
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Electronic shutter for different surveillance environments
- Other functions: alarm, reset button, mirror, etc.
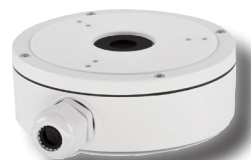- Compact design, Built-in bracket

Specification:

Dimensions:

Parameter	Model: 21.99.1635 - VBOF1-1 1.3 Megapixel CMOS Infrarot-Netzwerk-Bullet-Kamera	21.99.1636 – VBOF2-1 2 Megapixel CMOS Infrarot-Netzwerk-Bullet-Kamera
Camera		
Image Sensor	1/3" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	4mm@ F2.0	
	Angle of view: 73.1°	Angle of view: 85°
Lens Mount	M12	
Day &Night	IR cut filter with auto switch	
Digital Noise Reduction	3D DNR	
Wide Dynamic Range	Digital WDR	
Compression Standard		
Video Compression	H.264/ MJPEG	
Video Bit Rate	32 Kbps – 8 Mbps	
Dual Stream	Yes	
Image		
Max. Resolution	1280 x 960	1920 x 1080
Frame Rate	50 Hz: 25 fps (1280 × 960), 25 fps (1280 x 720), 25 fps (704 x 576) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 x 720), 30 fps (704 x 576)	50Hz: 25fps(1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast	
Backlight compensation	Yes, zone optional	
ROI	Yes, up to 3 configurable areas	
Network		
Network Storage	NAS (Support NFS,SMB/CIFS)	
Alarm Trigger	Motion detection, Dynamic analysis, Tampering alarm	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour	
Security	User Authentication, Watermark	
Standard	ONVIF, PSIA, CGI, ISAPI	
Interface		
Communication Interface	1x RJ45 10M/100M Ethernet interface	
Reset Button	Yes	
General		
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	
Power Supply	12 V DC ± 10% / PoE (802.3af)	
Power Consumption	Max. 7 W	
Ingress Protection level	IP66	
IR Range	10 - 30 meters	
Dimensions	62.0 × 62.0 × 162.54 mm (2.4" × 2.4" × 6.4")	
Weight	500g (1.1 lbs)	

Contents: Camera, ~~CD, QIG,~~ drill template, screws

Dimensions:

76.9
46.5

123.2
139.2

Ø60.5
Ø60.4

Unit: mm

Accessory:

Item No: 21.19.7312

VALUE Fix Dome IP Camera
VDOF1-1/ VDOF2-1

1,3 MPx	2 MPx	IP66	IR	Day / Night	PoE
VDOF1-1	VDOF2-1				
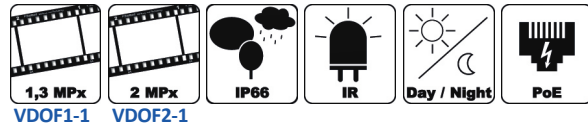
The VALUE VDOF series is a compact HD PoE Day / Night network camera with up to 2 megapixel resolution for outdoor use. The high resolution in combination with a smooth playback at up to 25 frames per second allows an accurate identification. This compact and vandal-resistant dome camera has IP66 and IK10 certified housing and is suitable for outdoor use. To be able to adapt to changing light conditions quickly, the VDOF series has an IR cut filter and IR illuminators with a range of up to 30 meters. By integrating a number of advanced standard functions, such as motion detection, tamper detection, and Power Over Ethernet according to 802.3af, the VBOF series is an ideal solution for your outdoor surveillance.
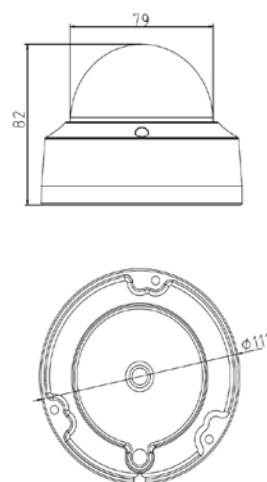
Features:

- Up to 1.3MPx VDOF1-1 / 2MPx VDOF2-1 resolution
- Angle of view: 92.5° VDOF1-1 / 106° VDOF2-1 (2.8 mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Built-in IR Illuminators up to 30 meters
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Weather-proof IP66 rated housing
- Impact Protection IK10
- Electronic shutter for different surveillance environments
- Other functions: alarm, mirror, etc.
- Compact design

Specification:

Dimensions:

	21.99.1637 - VDOF1-1	21.99.1638 – VDOF2-1
Model / Parameter	1.3 Megapixel CMOS Infrared Network Dome Camera	2 Megapixel CMOS Infrared Network Dome Camera
Camera		
Image Sensor	1/3" Progressive Scan CMOS	
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR	
Shutter Speed	1/3 s to 1/100,000 s	
Lens	2.8 mm@ F2.0	
	Angle of view: 92.5°	Angle of view: 106°
Lens Mount	M12	
Day &Night	IR cut filter with auto switch	
Digital Noise Reduction	3D DNR	
Wide Dynamic Range	Digital WDR	
Compression Standard		
Video Compression	H.264/ MJPEG	
Video Bit Rate	32 Kbps – 8 Mbps	
Dual Stream	Yes	
Image		
Max. Resolution	1280 x 960	1920 x 1080
Frame Rate	50 Hz: 25 fps (1280 × 960), 25 fps (1280 x 720), 25 fps (704 x 576) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 x 720), 25 fps (704 x 576)	50Hz: 25fps(1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps(1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast	
Backlight compensation	Yes, zone optional	
ROI	Yes, up to 3 configurable areas	
Network		
Network Storage	NAS (Support NFS,SMB/CIFS)	
Alarm Trigger	Motion detection, Dynamic analysis, Tampering alarm	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour	
Security	User Authentication, Watermark	
Standard	ONVIF, PSIA, CGI, ISAPI	
Interface		
Communication Interface	1x RJ45 10M/100M Ethernet interface	
Reset Button	Yes	
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB	
General		
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	
Power Supply	12 V DC ± 10% , PoE (802.3af)	
Power Consumption	Max. 7 W	
Ingress Protection level	IP66	
IR Range	10 - 30 meters	
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10	
Dimensions	Φ111 × 82 (4.4" × 3.2")	
Weight	500g (1.1 lbs)	

Content: Camera, CD, QIG, drill template, screws

Accessory:

Item No: 21.19.7313

VALUE 1MPx Cube IP Camera

VCIF1-1W

| 1 MPx | IR | Day / Night | PoE | WLAN |

The VALUE VCIF1-1W is a compact 1 MP HD PoE Day / Night network camera for indoor use. It is equipped with a 1-MP sensor, which enables smooth playback up to 25 fps and a resolution of 1280 × 720 pixels. This compact cube camera can be integrated into the existing network via a LAN cable or wireless*. To be able to adapt to changing light conditions quickly, the VCIF1-1W features an IR cut filter and IR illuminators with a range of up to 10 meters. In order to ensure a more accurate detection, the camera has a PIR sensor to detect motion at a distance of 10m.

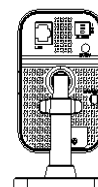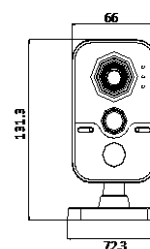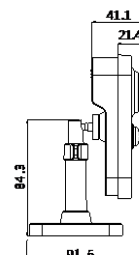***For the wireless operation a separate power supply (12V 1.5A) is needed.**

Features:

- Up to 1 Megapixel (1280×720) resolution
- Angle of view: 68°(2.8mm lens)
- 3D DNR & DWDR & BLC
- Standard video compression with high compression ratio
- Progressive scan CMOS
- Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
- Built-in IR Illuminators up to 10 meters
- PIR detection (80° up to 10 meters)
- Two-way audio
- Built-in microphone and speaker
- Support Wi-Fi (IEEE802.11b/g, 802.11n Draft), WPS connection
- Removable IR-cut Filter with auto switch for Day & Night Function
- PoE (Power over Ethernet) 802.3af
- Support dual stream, and the sub-stream for mobile surveillance
- Integrated mount for easy installation
- Other functions: heartbeat, mirror, reset button, etc.

Specification:

Dimensions:

Model / Parameter	21.99.1639 – VCIF1-1W
	1 Megapixel CMOS Alarm Pro Cube Camera
Camera	
Image Sensor	1/4" Progressive Scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON) , 0 Lux mit IR
Shutter Speed	1/3 s bis 1/100,000 s
Lens	2.8mm@ F2.0
	Angle of view: 68°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
WDR	Digital WDR
Compression Standard	
Video Compression	H.264 / MJPEG
H.264 encoding level	Main Profil
Video Bit Rate	32Kbps~8Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1280x720
Frame Rate	50 Hz: 25 fps (1280 x 720), 25 fps (704 x 576), 25 fps (640 x 480)
	60 Hz: 30 fps (1280 x 720), 30 fps (704 x 576), 30 fps (640 x 480)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Yes, up to 3 configurable areas
Network	
Network Storage	NAS
Alarm Trigger	Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour(SIP optional)
Standard	ONVIF, PSIA, CGI, ISAPI
Interface	
Communication Interface	1x RJ45 10M/100M Ethernet Schnittstelle
Alarm input / output	1 / 1
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
Wi-Fi Specification	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n Draft
Frequency Range	2.4 GHz ~ 2.4835 GHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps, 11g: 14±1.5dBm @ 54Mbps, 11n: 12.5±1.5dBm
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	Outdoor: 200m, Indoor: 50m (depend on environment)
General	
Operating Conditions	-30 °C – 60 °C; Humidity 95% or less (non-condensing)
Power Supply	DC12V±10% / PoE 802.3af
Power Consumption	Max 5.5W
PIR	Angle: 80° ; Range: 10 meters
IR Range	10 meters
Dimensions (mm)	66 × 91.5 × 131.3(2.60" × 3.60" × 5.17")
Weight	400g (0.88lbs)

Content: Camera, CD, QIG, drill template, screws

VALUE 4CH NVR with 4-Port PoE

VND0104P

The VALUE VND0104P is a 4-channel network video recorder in a desktop housing, making it suitable for table installation. The VND0104P has an integrated 4-port PoE switch and supplies the cameras directly with electricity. Additional to the local display an HDMI or VGA monitor can be connected, the complete operation and configuration is then performed by using the computer mouse. There is no additional PC for video playback required.

Features:

- 4 channel Netzwerk-Video-Recorder
- HDMI and VGA output at up to 1920 x 1080 resolution
- HDD quota and group management
- 1x RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
- 4 independent POE ports
- Locking and unlocking record files
- Incoming bandwidth: 25 Mbps
- 1x SATA interface for 1 HDD (Typ 3,5 Zoll)
- 2x USB 2.0 ports
- Support network detection, including network delay, packet loss, etc.

Specification:

Parameter \ Model	21.99.1640 – VND0104P	
	4CH NVR with 4-Port PoE	
Video/Audio input	IP video input	4-ch
	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	Incoming bandwidth	25Mbps
	Output bandwidth	40Mbps
	Remote connection	128
Video/Audio output	Recording resolution	1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	HDMI/VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	Audio output	1-ch, RCA (Linear, 1kΩ)
	Playback resolution	1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF /CIF /QCIF
Hard disk	SATA	1 SATA-interface for 1 HDD (not included)
	Capacity	Up to 4TB for each disk
External interface	Network interface	1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface
	USB interface	2 × USB 2.0
PoE	Interface	4 independent 10 /100 Mbps PoE Ethernet interfaces
	Output Consumption	35W
	Supported Standard	802.3af
Others	Power supply	48V DC
	Consumption	-10 ºC ~ +55 ºC
	Working temperature	≤ 6 W (without hard disk and PoE)
	Working humidity	10 % ~ 90 %
	Dimensions (W × D × H)	255 × 205 × 45 mm (8.1 × 8.1 × 1.8 inch)
	Weight	≤ 1 Kg (without hard disk)

Content: NVR, CD, QIG, power supply

Connections:
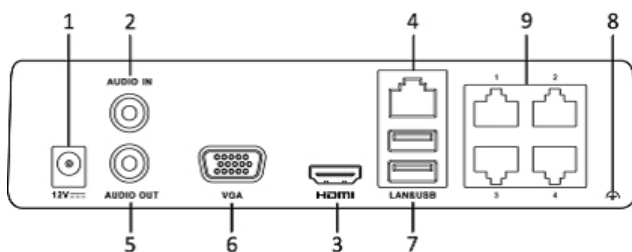
1. Power Input
2. Audio In
3. HDMI Output
4. LAN Network Interface
5. Audio Out
6. VGA Output
7. USB Interface
8. GND
9. Network Interfaces with PoE function

HD-TVI is Full HD 1080P via coax cable up to 500 m distance

up to **500m**

The new HD-TVI Standard supports analog transmission of HD video recording at a resolution of 1080p over distances of up to 500m via coaxial cable or 200m when using a twisted pair cable. HD-TVI uses a low-frequency signal that is largely insensitive to electromagnetic interference, so that the transmission is very reliable. Since the data is not compressed, a real-time display in megapixel resolution is possible without latency. The HD-TVI technology is ideal for upgrading analog systems to HD, because existing facilities are simply taken over and thus investments can be protected in existing infrastructures.

PAL - 720 x 576

720p HD - 1280 x 720

1080p HD - 1920 x 1080

Plug & Play via coax cable

The adjustment of the OSD menu has never been so easy! Thanks to UTC technology all video and data signals can be transmitted via the coaxial cable, means no additional cables (RS485) are required – and via plug & play, everything can connect automatically. The result is exceptional flexibility and easy installation compared to conventional analogue systems: Users can now use existing facilities for the transmission of pictures in HD quality without making large investments.

High compatibility with tribrid-technology

The tribrid-technology of the new HD-TVI series offers seamless compatibility - a real revolution in the field of professional security monitoring. The HD-TVI DVRs can process video signals from analog, HD TVI-, CIF and WD cameras and allow easy integration of different technologies. Thanks to auto-sensing everything goes automatically and the installation is a breeze. Users can now enjoy and take advantage of 1080p resolution without replacing existing equipment and infrastructure. This makes HD DVRs TVI your first choice for retrofitting existing systems.

HD-TVI Camera

Analog Camera

HD-TVI DVR

Monitor
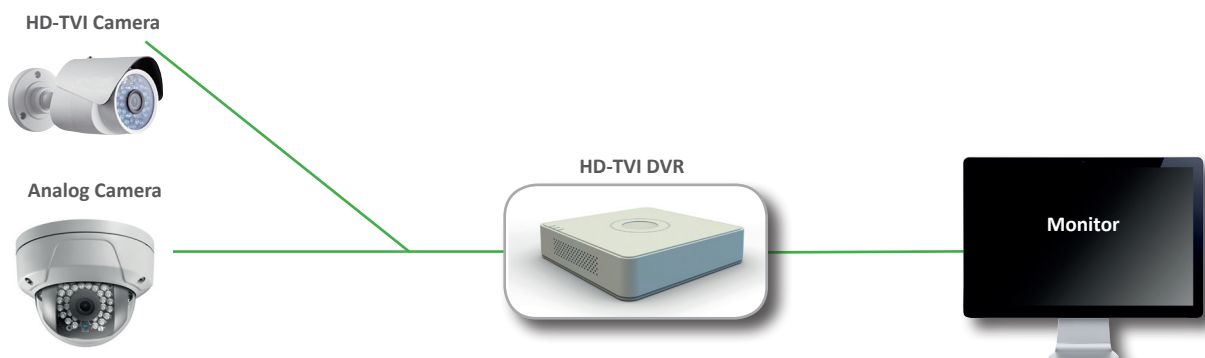
VALUE 1080p Bullet HD-TVI Camera

VTBOF2-1
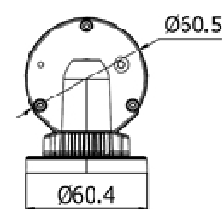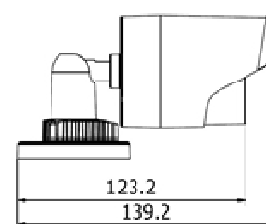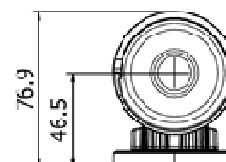
| HD TVI | 1080p | IP66 | IR | Day / Night | 12V |

Features:

- Up to 2 megapixel (1920 × 1080) resolution
- HD-TVI video transmission over Coax cable
- Angle of view:: 105.8°(2.8mm lens)
- Built-in IR Illuminators up to 30 meters
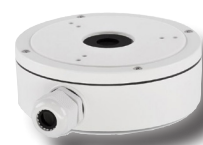- Weather-proof IP66 rated housing
- OSD menu controlled via UTC

Specification:

Model / Parameter	21.99.1641 - VTBOF2-1
	1080p CMOS HD-TVI Infrared Bullet Camera
Camera	
Image Sensor	Progressive Scan CMOS
Signal System	PAL / NTSC
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
Lens	2.8mm@ F2.0
	Angle of view: 105.8°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Image	
Effective Pixels	1930 x 1088
Frame Rate	50Hz: 1080p @ 25 fps
	60Hz: 1080p @ 30 fps
Backlight compensation	Yes
Interface	
HD Video Output	1 HD-TVI Output
OSD Menu	
Language	English/ Chinese
Communication	Over coax cable
BLC	Support
D / N Mode	Color/ BW/ EXT
White Balance	Auto/ Manual
General	
Operating Conditions	-40 °C – 60 °C (-40 °F – 140 °F)
	Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 10%
Power Consumption	Max. 3W
Ingress Protection level	IP66
IR Range	Up to 30 Meter
Dimensions	Φ111×82mm (Φ4.4"×3.2")
Weight	500g (1.11lbs)

Dimensions:
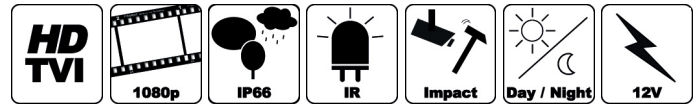
76.9
46.5

123.2
139.2

Ø50.5
Ø60.4

Accessory:

Item No: 21.19.7312

Content: Camera, CD, QIG, drill template, screws

VALUE 1080p Fix Dome HD-TVI Kamera

VTDOF2-1

Features:

- Up to 2 megapixel (1920 × 1080) resolution
- HD-TVI video transmission over Coax cable
- Angle of view:: 105.8°(2.8mm lens)
- Built-in IR Illuminators up to 30 meters
- Weather-proof IP66 rated housing
- Impact Protection IK10
- OSD menu controlled via UTC

Specification:

Model Parameter	21.99.1642 - VTDOF2-1 1080p CMOS HD-TVI Infrared Dome Camera
Camera	
Image Sensor	Progressive Scan CMOS
Signal System	PAL / NTSC
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
Lens	2.8mm@ F2.0
	Angle of view: 105.8°
Lens Mount	M12
Day &Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Image	
Effective Pixels	1930 x 1088
Frame Rate	50Hz: 1080p @ 25 fps 60Hz: 1080p @ 30 fps
Backlight compensation	Yes
Interface	
HD Video Output	1 HD-TVI Output
OSD Menu	
Language	English/ Chinese
Communication	Over coax cable
BLC	Support
D / N Mode	Color/ BW/ EXT
White Balance	Auto/ Manual
General	
Operating Conditions	-40 °C – 60 °C (-40 °F – 140 °F) Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 10%
Power Consumption	Max. 3W
Ingress Protection level	IP66
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10
IR Range	Up to 30 Meter
Dimensions	Φ111×825mm (Φ4.4"×3.2")
Weight	500g (1.11lbs)

Dimensions:
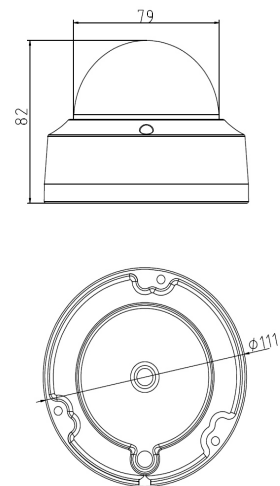
Accessory:

Item No: 21.19.7313

Contents: Camera, CD, QIG, drill template, screws

VALUE 1080p HD-TVI DVR
VTD0104

Features:

- 4 channel HD-TVI Digital Video Recorder
- HDMI and VGA output at up to 1920 x 1080 resolution
- HD-TVI video transmission over Coax cable
- 1x RJ-45 10/100 Mbps self-adaptive Ethernet interface
- 1x SATA interface for 1 HDD (Typ 3,5 Zoll)
- 2x USB 2.0 Ports

Specification:

Model / Parameter		21.99.1643 – VTD0104
		4CH HD-TVI Digital Video Recorder
Video/Audio input	Analog and HD-TVI video input	4-ch
		BNC interface (1.0Vp-p, 75 Ω)
	Supported camera types	720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS
	Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Video/Audio output	HDMI/VGA output	1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
	Encoding resolution	Main stream: 1080P(non-real-time) / 720P / VGA / WD1 / 4CIF / CIF
		Sub-stream: WD1(non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA
	Frame rate	Main stream: 1/16 fps ~ Real time frame rate
		Sub-stream: 1/16 fps ~ Real time frame rate
	Video bitrate	32 Kbps-6 Mbps
	Audio output	1-ch, RCA (Linear, 1KΩ)
	Synchronous playback	4-ch
Hard disk	SATA	1 SATA-interface for 1 HDD (not included)
	Capacity	Up to 4 TB capacity for each disk
Network management	Remote connections	128
	Network protocols	TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS
External interface	Network interface	1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface
	USB interface	2 × USB 2.0
Others	Power supply	12V DC
	Working temperature	-10 ºC ~ +55 ºC
	Consumption	≤ 6 W (without hard disk)
	Working humidity	10 % ~ 90 %
	Dimensions (W × D × H)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)
	Weight	≤ 0.8 Kg (without hard disk)

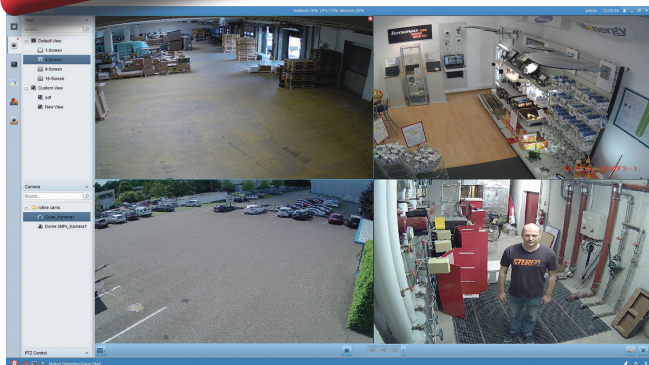**Contents:** DVR, CD, QIG, power supply

Dimensions:
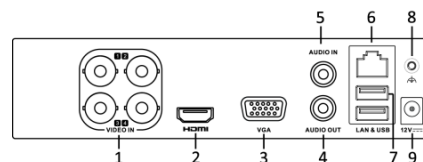
1. Video In
2. HDMI Interface
3. VGA Interface
4. Audio Out
5. Audio In
6. LAN Network Interface
7. USB Ports
8. GND
9. 12VDC Power Input

FREE

ROLINE Recording Software

The ROLINE Recording Software is a versatile video management software for IP cameras, encoders, decoders, etc. It offers several features, including real-time live view, video recording, remote search and playback, File Backup for the needs of small and medium-sized projects. With the possibility of flexible use and the easy to use interface, the ROLINE Recording client software can be used in different monitoring areas, such as public security, commercial areas, transportation, finance, education, etc.
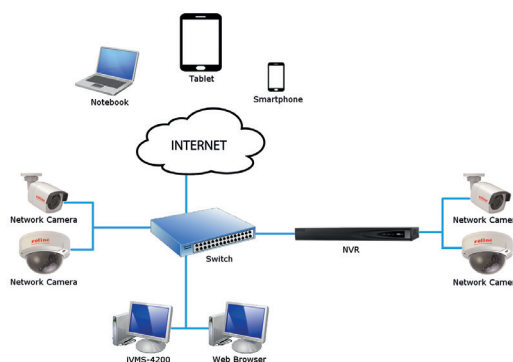
FREE

ROLINE Mobile Monitoring Application
CCTV Mobile

CCTV Mobile is a mobile monitoring application for iPhone / iPad / Android. Monitoring products which based on the H.264 codec are supported. It can be used to view the live image from the NVR, network cameras, encoders, etc. It is also possible to access the recorded data to create video and still image shooting, to control alarm outputs and PTZ cameras. With this application you get access to your NVR, network cameras, encoders, etc., via Wi-Fi or 3G / 4G. If a public IP is not available, the device also supports DDNS.
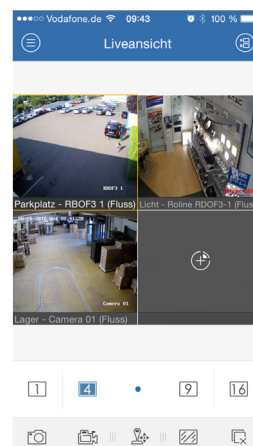
Download Links:

iPhone	iPad	Android	Android Tablet

Artikelnummer / Modell	21.19.7306 – RBOF2-1W	21.19.7308 – RBOF4-1	21.19.7302 – RBOV2-1	21.19.7307 – RDOF2-1W	21.19.7309 – RDOF4-1	21.19.7304 – RCIF3-1W	21.99.1635 – VBOF1-1	21.99.1636 – VBOF2-1	21.99.1637 – VDOF1-1	21.99.1638 – VDOF2-1	21.99.1639 – VCIF1-1W
Produkttyp	Bullet	Bullet	Bullet	Fixed-Dome	Fixed-Dome	Cube	Bullet	Bullet	Fixed-Dome	Fixed-Dome	Cube
1/4" Progressive Scan CMOS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/3" Progressive Scan CMOS											
1 MPx (bis zu 1280 x 720 Auflösung)			✓				✓		✓		
1,3 MPx (bis zu 1280 x 960 Auflösung)											
2 MPx (bis zu 1920 x 1080 Auflösung)	✓		✓	✓				✓		✓	
3 MPx (bis zu 2048 x 1536 Auflösung)		✓			✓	✓					
4 MPx (bis zu 2688 x 1520 Auflösung)											
Fixes Objektiv	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Vario Objektiv	✓	✓	✓	✓	✓						
Digital WDR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tag / Nacht	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IR LED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IR Sperrfilter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Smart IR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PIR						✓					✓
Außenbereich (IP 66)	✓	✓	✓	✓	✓		✓	✓	✓	✓	
Schlagschutz (IK 10)				✓	✓				✓	✓	
PoE (802.3af)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12V DC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RJ-45	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WLAN				✓		✓					✓
Micro-SD Kartenslot	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ONVIF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bewegungserkennung	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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