Redvision™

RVK-W10-IR

Knight Watch 10

Key Features

- PoE for simple plug and play connection
- Super Low-Light Performance
- Manual Varifocal 2.8mm ~ 12mm lens
- Easy Positioning
- Cast Aluminium Body

- ONVIF Profile S & Q Compliant
- 40m Smart IR Integral LEDs
- Intelligent Video Analytics
- Aisle mode – maximise views in corridors
- Low power consumption

ONVIF™ Member

KNIGHT WATCH 10™ Bullet Camera

The Knight Watch 10™ camera utilises leading-edge sensor technology, with a Super low-light CMOS sensor for high-quality images in daytime or night-time settings. PoE power means simple plug and play experience, with low power consumption (5.5W, IR on). A manual, varifocal 2.8mm ~ 12mm lens allows a quick and easy setup, whilst getting the view you want. A tough, stylish housing completes the high-quality offering.

Adaptive IR Illumination

Integral IR LEDs provide up to 40m of Adaptive IR range, ensuring any night-time activity is captured in full HD with stunning image quality. The Knight Watch 10™ automatically adjusts the IR intensity in proportion to zoom and scene content. The IR LEDs are fully isolated from the camera lens, meaning no glare or haze, only crystal-clear images all night long.

Manual Varifocal Zoom

Simple to set up, the manual varifocal 2.8mm ~ 12mm zoom lens guarantees sharp images in both day and night-time, whilst making installation setup quick and easy.

Aluminium body

A tough, solid cast aluminium casing means your cameras are well-protected against the elements and local environment, to IP67 standard.

ONVIF Profile S and Q compliance offers compatibility with countless VMS platforms and NVRs. A H.265 streaming option means high-quality images at lower network bandwidth and hard-disk storage.
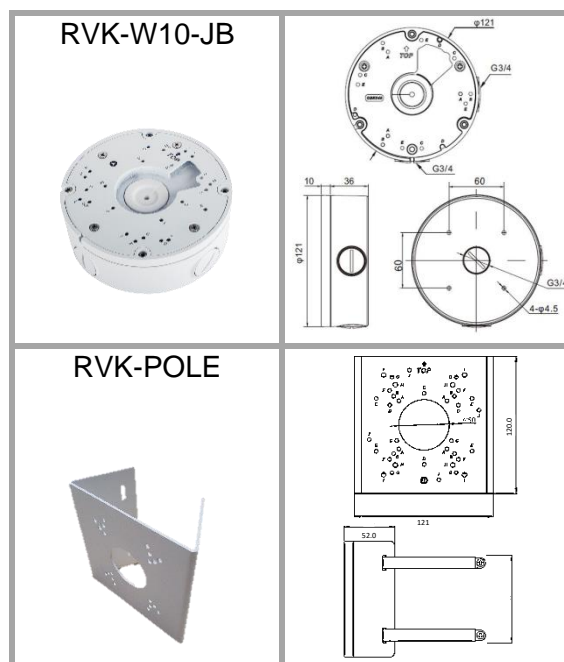
Additional Features

Motion Detection, Intelligent Video Analytics, Smart Encoding and Region of Interest allow users to tailor cameras to suit each individual scene, optimising recording time for only events or information that really matters to you.

Simple Installation

3D positioning arm allows you to find that perfect spot to view exactly what you need.

Brackets and Accessories

RVK-W10-JB

RVK-POLE

Camera Specification

Camera module	2MP 1/2.7" CMOS Starlight sensor, Progressive-Scan
Sensitivity	Colour: 0.01Lux @ F1.2 Monochrome: 0.0001Lux
Max. Resolution	1920x1080
S/N Ratio	55dB
Lens	2.8mm~12mm Manual Varifocal F1.3
FoV	H: 103°(W) ~ 36°(T) V: 55°(W) ~ 15°(T)
Noise Reduction	2D/3D Digital
WDR	120dB
Image Enhancement	WDR, BLC, HLC, Defog, DIS
IR Range	Up to 40m
Day/Night Switching	True-ICR, scheduled option

Video Streaming

Video Compression	H.265, H.264, MJPEG
Streams	3 + Service Stream
Resolutions	Stream 1: 1920 x 1080, up to 60fps, 1280 x 720 up to 60fps Stream 2: D1, VGA, 640 x 360, CIF, QVGA, up to 30fps Stream 3: VGA, CIF, QVGA, up to 30fps
RTSP Video	RFC2326, Supports VLC & QuickTime
FPS	60fps max.(HD Stream)
Bitrate	Stream 1: 200kbps ~ 12Mbps Stream 2: 100kbps ~ 6Mbps Stream 3: 100kbps ~ 3Mbps
ROI	Yes
Smart Encoding	Yes

Network Interface

Interface	Ethernet RJ45, 10-100 Base-T connection
Supported Protocols	IPv4, HTTP, HTTPS, 802.1x, TCP, UDP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, SNMP, DNS, UPnP, FTP, ICMP, IGMP, Unicast/ Multicast
Languages (Web interface)	English, French, Italian, Spanish, Russian
ONVIF	Profile S, Q
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering
SDK	Available
Max. Simultaneous Users	10

Events

Video Analysis	Motion Detection, Multiple IVA
Email notifications	Yes
Intelligent Analytics	Perimeter, Virtual Fences, Loitering, Objects left/Removed, Speed, Illegal Parking, with scene calibration and scheduling, email recipients upon event, FTP upload, record event to SD, ONVIF event notification and video overlay.
FTP upload	Yes, video or static image
System event notification	SD card, Network interface
Mobile App	Android, IOS, with push events

Electrical & Physical

Power Supply	12VDC, PoE (802.3af)
Power Consumption	5.5W max. (IR On)
Dimensions	232mm L x 80mm W x 80mm D
Weight	730g
Operating Temperature	-30°C ~ +50°C
Relative Humidity	< 90%
Ingress Protection	IP67
Housing Material	Aluminium
Colour	White
Certifications	CE/FCC