

RVK-SE80-IRWL

Knight Scene 80 IRWL



Key Features

- 2 x 1/2.8" Progressive Scan CMOS, 5MP Sensors
- Maximum Output 8MP (4608×1728) @ 15 fps
- 180° Wide Angle Panoramic Image
- PoE for Simple Plug and Play Connection
- Super Low-Light Performance
- Easy Positioning
- ONVIF Profile S, G & T Compliant
- 30m IR, 20m White Light LEDs
- Intelligent Video Analytics
- Audio In/ Out
- Built in Microphone and Speaker
- IP66
- Cast Aluminium Body

Knight Scene 80 Panoramic Camera

The Scene 80 Panoramic Camera utilises leading-edge sensor technology, with two Super low-light CMOS sensors seamlessly stitched together for high-quality, 180° wide angle panoramic images in daytime or night-time settings. PoE power means simple plug and play experience, with low power consumption (Max 11.5W, IR on). A tough, stylish housing completes the high-quality offering.

Adaptive IR and White Light Illumination

Integral IR provide up to 30m of IR range, ensuring any night-time activity is captured in full HD with stunning image quality. The Dual IR and White Light Knight Scene 80 IRWL is fitted with White LEDs to provide full colour night time images up to 20m. The White LEDs can be activated upon alarm to act as a visible deterrent to any intruders.

Fixed Zoom – Panoramic View

Dual, fixed-focal 2.8mm lens provide a panoramic 180° view, providing seamless wide-angle monitoring suitable for multiple applications.

Aluminium Body

A tough, solid cast aluminium casing results in the camera being well-protected against the elements and local environment, to IP66 standard. A rugged aluminium housing secures the camera whilst keeping the premises secure.

SD Card Recording

Built-in SD Card recording up to 1TB allows network edge-recording, making sure nothing is missed, even in the event of a network data outage. ONVIF Profile G compliance means the camera can work with a compatible VMS platform or NVR, to automatically interrogate and recover recorded footage, as soon as the network connection is restored.

ONVIF Compliant

ONVIF Profile S, G and T 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

Multi-object detection, including human and vehicle, and Smart Events allow users to tailor cameras to suit each individual scene, optimising recording time for only events or information that really matters to you.

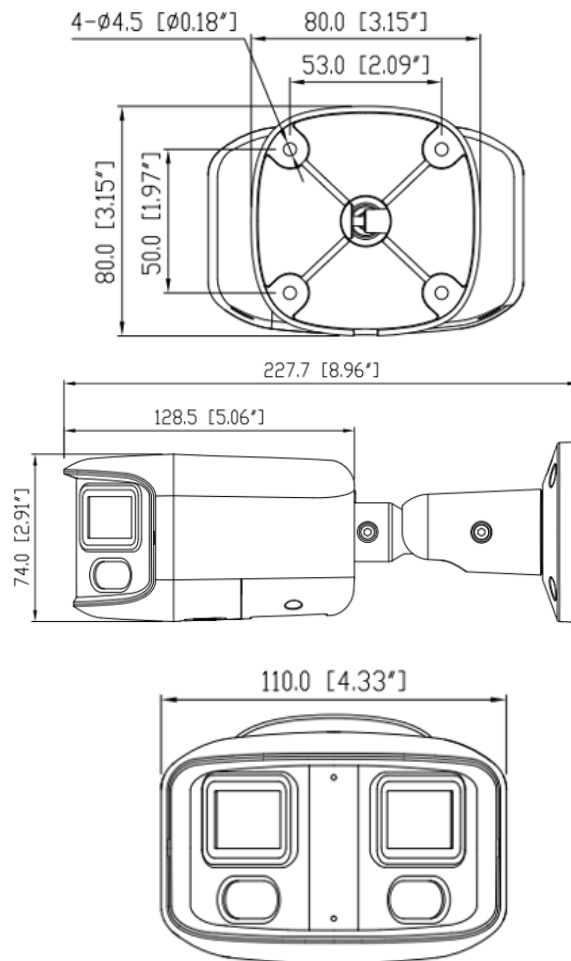
Simple Installation

3D positioning allows users to find that perfect spot to view exactly what's required.

Microphone and Speaker

A built in microphone and loudspeaker allow users to operate two way audio to sites at a click of a button.

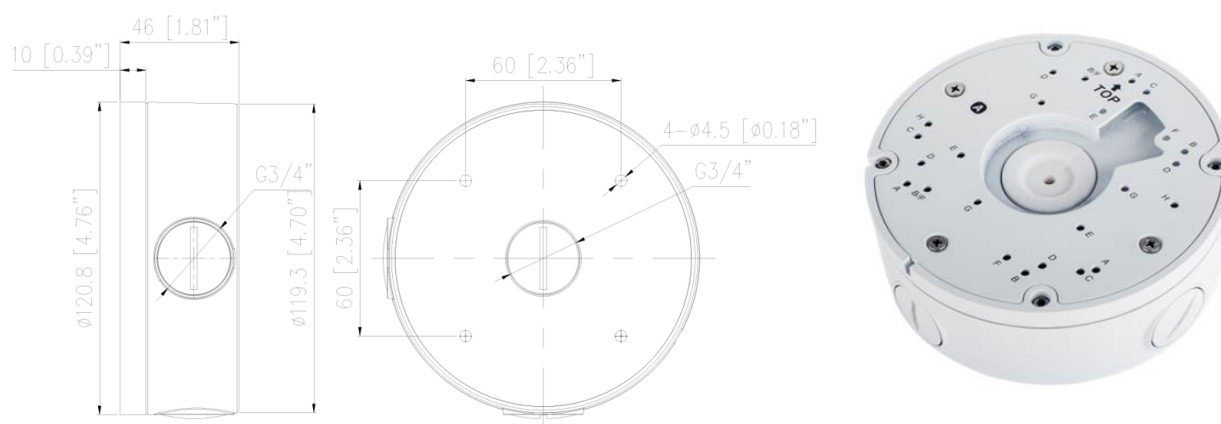
Dimensions



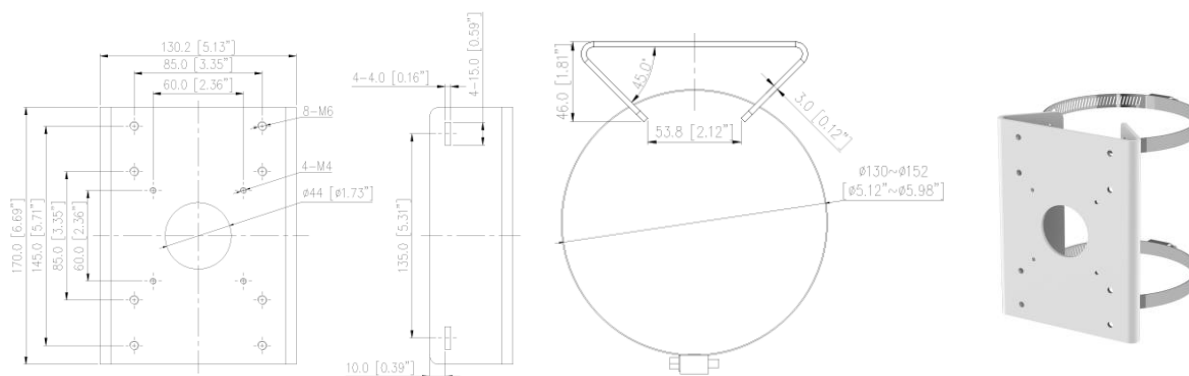
Camera	
Image Sensor	Dual 1/2.8" Progressive Scan CMOS
Max. Resolution	4608(H) × 1728(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/100,000s
Min. illumination	Colour: 0.01 Lux @ (F1.6,AGC ON) B/W: 0.001 Lux @ (F1.6,AGC ON), 0 Lux with light on
Day & Night	Auto (ICR)
IR Distance	Up to 30m
White Light Distance	Up to 20m
IR On/Off Control	Auto/Manual
Pan/Tilt/Rotation Range	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°
Lens	
Lens Type	Fixed-focal lens, Dual lens: 2.8mm
Iris	Fixed Iris
Focal Length	2.8 mm
F Number	F1.6
Field of View	H: 180°, V: 63°
Video	
Streaming Capability	2 Streams
Main Stream	Splicing mode: 4608×1728 @15fps Multi-channel mode: 2592×1944, 2592×1520, 1920×1080, 1280×720 @15fps,
Sub Stream	Splicing mode: 1536×576 @15fps Multi-channel mode: D1, VGA, CIF, QVGA @ 15fps
Bit Rate Control	CBR / VBR
Bit Rate	Splicing mode: Stream1: 500Kbps to 16Mbps Stream2: 200Kbps to 8Mbps Multi-channel mode: Stream1: 500Kbps to 12Mbps Stream2: 100Kbps to 6Mbps
Region of Interest	Support
Smart Encode – Bandwidth Optimisation	Supported
Image	
Image Adjustment	Brightness/Sharpness/Contrast/Saturation adjustable
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Wide Dynamic Range	True WDR
Image Enhancement	HLC, BLC, Defog
S/N Ratio	55dB
Privacy Masking	4 areas

DORI Distance				
Lens	Detect	Observe	Recognise	Identify
2.8 mm	44m	17.6m	8.8m	4.4m
Smart Event				
Multi-Object Detection	Human & vehicle detection			
Smart Events	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, People Counting, Heat Map, Smart Motion Detection Support alarm triggering by specified target types (human and vehicle)			
Audio				
Compression	G.711, RAW_PCM			
Bit Rate	64Kbps (G.711), 128Kbps (RAW_PCM)			
Network				
Protocols	IPv4/IPv6, RTSP/RTCP/RTP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, PPPOE, UPnP, IGMP, IGMP, FTP, NTP, STMP, 802.1x, SNMP			
Interoperability	ONVIF (Profile S, G & T), SDK, CGI			
Streaming Method	Multicast			
Max. User Access	10 Users			
Web Viewer	<IE11, Chrome, Firefox			
Language	English, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English			
Interface				
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector			
Audio Interface	1ch Input, 1ch Output			
Built-in Microphone	Yes			
Built-in Speaker	Yes			
Alarm Interface	1ch Input, 1ch Output			
Reset Button	Supported			
SD Card Slot	Built-in, up to 1TB			
Electrical				
Power Supply	12VDC (-15%~+25%)/ POE (IEEE 802.3af)			
Power Consumption	Max 11.5 W			
Operating Temperature	-30°C to 60°C			
Operating Humidity	Less than 90% RH			
Ingress Protection	IP66			
Certifications	CE/FCC			
Casing	Aluminium			
Dimensions	227.7 × 110 × 80 mm			
Net Weight	0.82 kg			

RVK-SE-JB: Junction Box for Knight Scene Cameras



RVK-POLE1: Pole Clamp for Knight Series Cameras



Further information:

