

RVK-P200-IR

Knight Panoramic 200 IR



Key Features

- 4 x 1/2.8" Progressive Scan CMOS, 5MP Sensors
- 4 Adjustable Lenses in one Camera
- 2.7 to 13.5mm Motorised Lens
- PoE for Simple Plug and Play Connection
- Super Low-Light Performance
- Easy Positioning
- ONVIF Profile S, G & T Compliant
- 40m IR
- Intelligent Video Analytics
- Audio In/ Out
- Built in Microphone
- IP67, IK10
- Built in SD slot, up to 1TB

Knight Panoramic 200 Camera

The Knight Panoramic 200 sets a new benchmark in multi-sensor panoramic surveillance. Featuring four advanced 1/2.8" 5MP Super Low-Light CMOS sensors, this 4-in-one camera delivers ultra-high-definition, 360° panoramic coverage—day or night. With Power over Ethernet (PoE) for simplified installation and low power consumption, the Panoramic 200 is ideal for wide-area monitoring in demanding environments.

Adaptive Infrared Illumination

Built-in IR LEDs provide up to 40 metres of infrared range, ensuring excellent night-time visibility and full-scene coverage in complete darkness. Smart IR adapts to the environment to avoid overexposure and maintain image clarity.

Motorised Zoom Lenses – Precision Coverage

Equipped with 4 independently motorised 2.7–13.5mm lenses, the Panoramic 200 allows for flexible scene configuration, enabling the user to zoom in on key areas while maintaining full situational awareness across the entire scene.

Robust Aluminium Housing

A durable IP67-rated solid aluminium housing offers reliable protection against dust, rain, and impact, making the RVK-P200-IR ideal for both indoor and outdoor installations in harsh environments.

Edge Recording – SD Storage up to 1TB

With onboard SD card storage of up to 1TB, the camera supports edge recording to safeguard footage during network interruptions. ONVIF Profile G compliance ensures seamless integration with compatible VMS platforms and NVRs, allowing automatic footage retrieval when the 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.

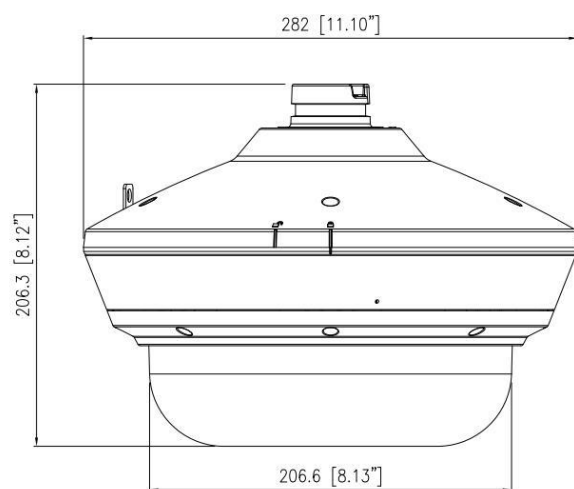
Simple Installation

All four cameras can be independently pan and tilted on a rail to ensure full coverage of the required scene is achieved.

Microphone

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

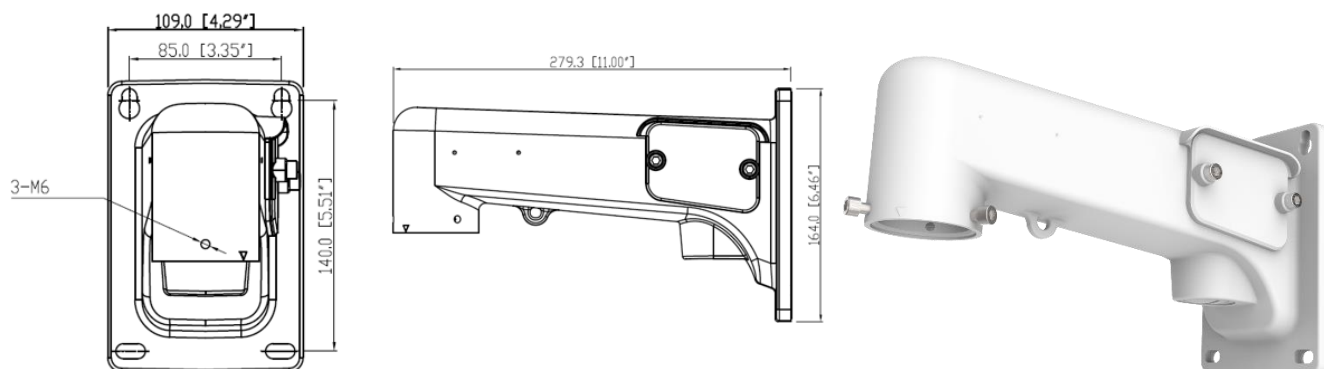
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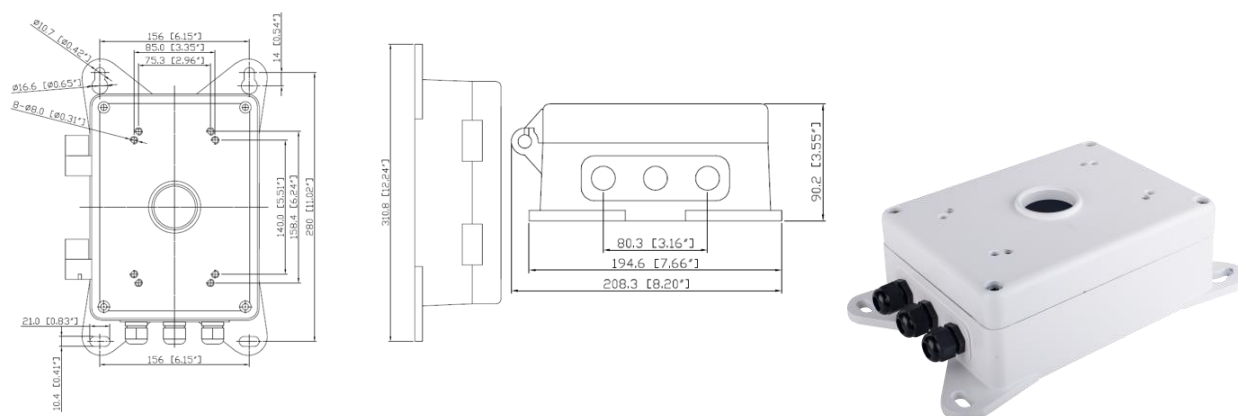
Camera	
Image Sensor	Four off 1/2.8" Progressive Scan CMOS
Max. Resolution	5MP (2592 x 1944)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	Auto (ICR)
IR Distance	Up to 40m
Angle Adjustment	Pan: -180° to 180°, Tilt: 0° to 130°, Rotation: 0° to 355°
IR On/Off Control	Auto/Manual
Lens	
Lens Type	Motorised focus
Iris	DC- Iris
Focal Length	2.7 – 13.5mm
F Number	F1.6
Field of View	H: 95.6° to 26.9°, V: 65.4° to 20.5°
Video	
Streaming Capability	3 Streams
Stream/ Frame Rate	Stream1: 2592 × 1944, 2592 × 1520, 1920 × 1080, 1280 × 720 @ 25/30fps Stream2: D1, VGA, CIF @ 25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR / VBR
Bit Rate	Stream1: 500 kbps to 12 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Region of Interest	Supported
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	Supports 1 to 4 channels
Aisle Mode	Supported
Mirror	Supported

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, People Counting Support alarm triggering by specified target types (human and vehicle)
Basic Events	Disk alarm, Network alarm, I/O alarm, Motion detection alarm, Abnormal sound detection
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, ICMP, 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
Alarm Interface	1ch Input, 1ch Output
Reset Button	Supported
CVBS Interface	Supported
SD Card Slot	Built-in, up to 1TB
Electrical	
Power Supply	12VDC (-15%~+25%)/ POE+ (IEEE 802.3at)
Power Consumption	Max 20 W
Operating Temperature	-40°C to 60°C
Operating Humidity	Less than 90% RH
Ingress Protection	IP67/ IK10
Certifications	CE/FCC
Casing	Aluminium & Plastic
Dimensions	Φ282 × 206.3 mm (bracket not included)
Net Weight	4kg (bracket not included)

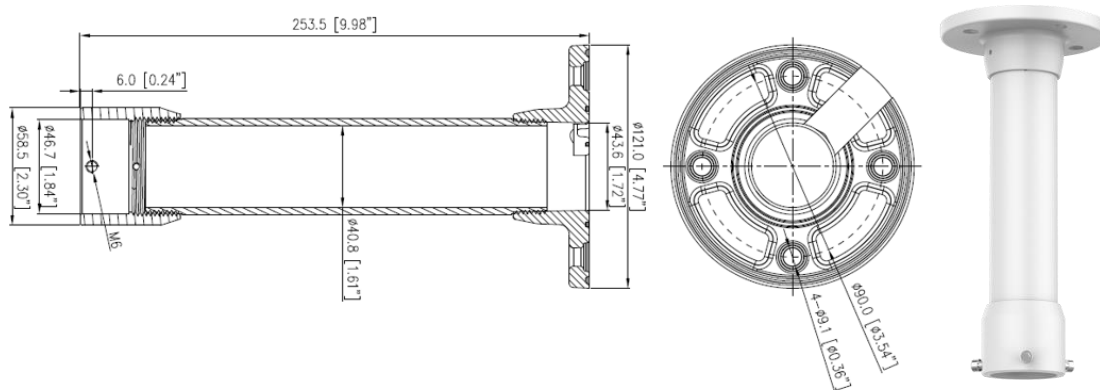
Wall Bracket Included



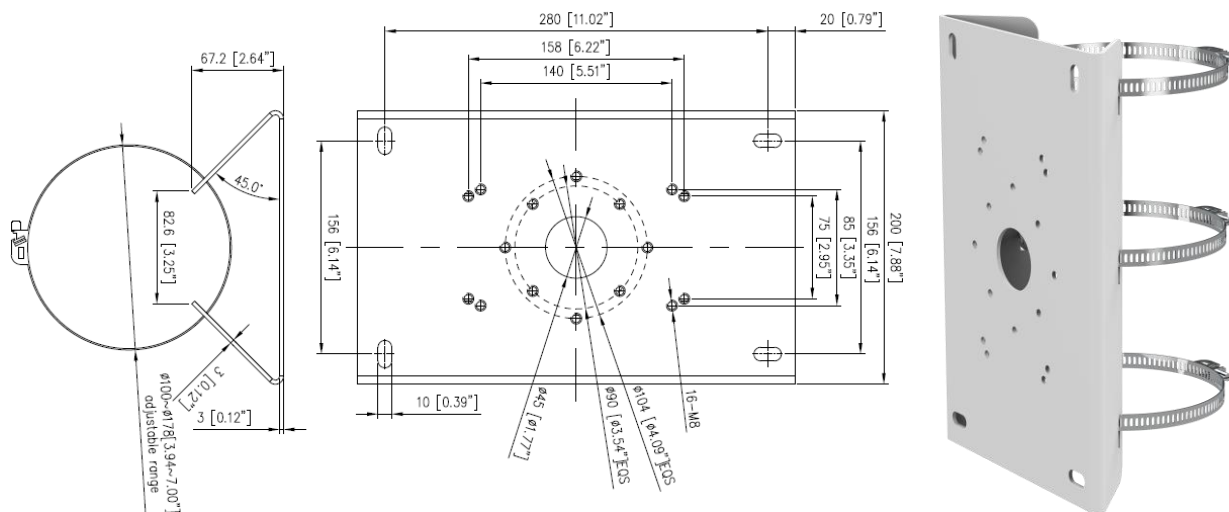
RVK-P-JB: Junction Box for Knight Panoramic Cameras



RVK-P-STANDOFF: Standoff Bracket for Knight Panoramic Cameras



RVK-P-POLE: Pole Bracket for Knight Panoramic Cameras



RVK-P-NTP-ADTP: 1.5 NTP Adaptor Ring for Knight Panoramic Cameras

