

5MP Box Camera

Knight View 50TM



Key Features

- CS Mount Allows for a Wide Variety of Lens Options
- Auto Back-Focus System for Sharp, Clear Images
- PoE for Easy Connection
- Low Power Consumption
- SD Card Recording Option
- 5MP, 1/2.8" Progressive Scan CMOS sensor
- ONVIF profile S, G & T compliant
- Intelligent video analytics
- 3.8mm ~ 18mm, or 12mm ~ 50mm lens options
- Dual IP and Analogue Camera

Knight View™ Box Camera

The KNIGHT VIEW 50™ box camera utilises leading-edge sensor technology, with a Super low-light CMOS sensor for high-quality images in daytime or night-time settings. The camera can be provided with a Manual Focus/ Auto Iris, 3.8mm ~ 18mm manual varifocal lens; or an optional 12mm ~ 50mm lens.

Auto Back-Focus

Auto Back-Focus system ensure sharp, clear images. CS-Mount allows a wide variety of lens types to be used.

ONVIF Compliant

ONVIF Profile S, G and T compliance offers compatibility with countless VMS platforms and NVRs. H.265 streaming means high-quality images at lower network bandwidth and hard-disk storage.

SD Card Recording

Built-in SD Card recording up to 256GB 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.

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. A CVBS video output allows the unit to be installed with legacy analogue hardware.

Low Light Performance

A 1/2.8" CMOS Sensor provides exceptional low light performance, with colour images down to 0.005 Lux.

VEGA 2065™ Rugged Camera Housing

Utilise the VEGA™ range of rugged, vandal-resistant camera housings with the KNIGHT VIEW 50™ box camera. The VEGA 2065™ houses and powers the camera securely, with a long-life silicone wiper which can be remotely controlled. The fully cable-managed solution keeps all cables secure, with a thermostatically controlled heater to maintain the ideal internal environment.

The VEGA 2065™ can be powered by PoE+ (802.3at), 24VAC or 12VDC, can be pedestal or wall mounted and can be custom painted to any RAL colour.

Camera and Lens Choices

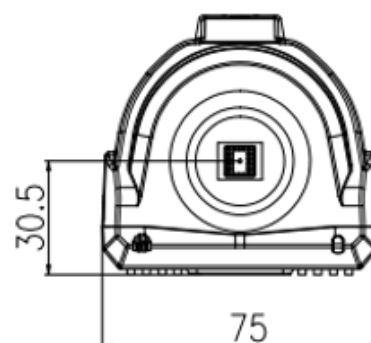
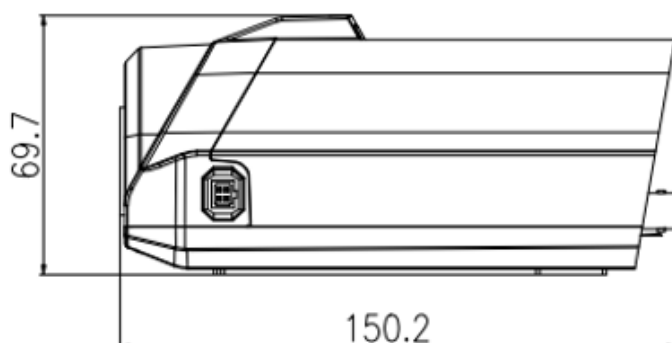
RVK-V50: KNIGHT VIEW 5MP, 1/2.8" CMOS ABF Box Camera



RVK-V10-LENS-18: Manual Focus/ Auto Iris, 3.8mm ~ 18mm manual varifocal lens for Knight View box camera



RVK-V10-LENS-50: Manual Focus/ Auto Iris, 12mm ~ 50mm manual varifocal lens for Knight View box camera



Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	5MP (2592×1920)
Electronic Shutter	Auto/Manual, 1/5 ~ 1/20,000s
Min. illumination	Colour: 0.005 Lux @ (F1.6,AGC ON) B/W: 0.001 Lux @ (F1.2,AGC ON)
Day & Night	IR cut filter
Lens	
Lens	Manual Varifocal, CS Mount 3.8mm-18mm F1.4 12mm-50mm F1.6
Video	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592 x 1920, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 50/60fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps
Region of Interest	Off/On (8 Zone, Rectangle)
Smart Encode	Supported
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Aisle Mode	Supported
Mirror	Supported
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Motion Detection	Supported
Privacy Masking	Supported

Smart Function	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Smart Events	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, People counting Support alarm triggering by specified target types (human and vehicle)
Audio	
Compression	G.711, RAW_PCM
Bit Rate	8kbps, 16kps, 64kbps
Network	
Protocols	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL
Interoperability	ONVIF (Profile S, G & T), SDK, CGI
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Language	English, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Chinese, Hungarian. Default: English
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Built-in Microphone	Supported
Alarm Interface	1ch Input, 1ch Output
RS485	Supported
CVBS Interface	Supported
Reset Button	Supported
SD Card Slot	Supported, up to 256GB
Electrical	
Power Supply	DC12V (-15%~+25%)/AC24V/POE (IEEE 802.3af)
Power Consumption	Max 3 W
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	Less than 90% RH
Ingress Protection	N/A
Certifications	CE/FCC
Casing	Aluminium
Colour	White
Dimensions	150.2 × 75 × 69.7 mm (5.91" × 2.95" × 2.74")
Net Weight	0.4 kg (0.88 lb)

