



Key Features

- Starlight Performance
- 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
- 2MP, 1/1.9" Starlight sensor
- ONVIF profile S, G & Q compliant
- Intelligent video analytics
- 3.8mm ~ 18mm, or 12mm ~ 50mm lens options

Knight View™ Box Camera

The KNIGHT VIEW™ box camera utilises leading-edge sensor technology, with a Super low-light starlight 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 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.

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.

Low Light Performance

A 1/1.9" CMOS Starlight Sensor provides exceptional low light performance, with colour images down to 0.001 Lux.

VEGA 2062™ Rugged Camera Housing

Utilise the VEGA™ range of rugged, vandal-resistant camera housings with the KNIGHT VIEW™ box camera. The VEGA 2062™ 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 2062™ 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-V10: KNIGHT VIEW 2MP, 1/1.9" CMOS Starlight 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 Specification

Camera module	2MP 1/1.9" CMOS Starlight Sensor, Progressive-Scan
Sensitivity	Colour: 0.001Lux @ F1.2 Monochrome: 0.0001Lux
Max. Resolution	1920x1080
Lens	Manual Varifocal, CS Mount 3.8mm-18mm F1.4 12mm-50mm F1.6
FoV (@4m height)	Wide: 87°H x 56°V Tele: 23°H x 12°V
Noise Reduction	2D/3D Digital
WDR	120dB
Image Enhancement	WDR, BLC, HLC, Defog
Day/Night Switching	True-ICR

Video Streaming

Video	H.265, H.264, MJPEG
Compression	
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.
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, G, Q
Edge Storage (optional)	Up to 256GB
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering
SDK	Available
Max. Simultaneous Users	10

Events

Alarm I/O	1 in, 1 out
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
SD recording	Yes, stream selectable
System event notification	SD card, Network interface
Mobile App	Android, IOS, with push events

Audio

Audio	Duplex, Bi-Directional
Codecs	G.711 ALAW, G.711 ULAW, RAW_PCM
Bit rate	8kbps, 16kbps, 64kbps

Electrical & Physical

Power Supply	12VDC, 24VAC, PoE+ (802.3at)
Power	5W
Consumption	
Dimensions	150mm x 75mm x 70mm
Weight	4.7kg
Operating Temperature	-20°C ~ +55°C
Relative Humidity	< 90%
Camera Body	Aluminium
Colour	White
Certifications	CE/FCC

