Redvision™

Knight Watch 20

The all-new **KNIGHT** camera range from Redvision offers stunning images, together with incredible **low-light performance**. All of this packaged with high quality, reliability and solid, UK-based Technical Support that is synonymous with the Redvision name.

The Knight Watch 20™ camera utilises leading-edge sensor technology, with a 2 Megapixel **Super WDR 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 (10.5W, IR on). A motorised Zoom lens with Auto Focus system ensures crisp, clear images all the time. A tough, stylish housing completes the high-quality offering.

Integral Smart-IR LEDs provide up to 60m of effective IR range, ensuring any night-time activity is captured in **full HD** with stunning image quality.

Tough, rugged **IK10**- standard housing with **Polycarbonate window** means your cameras are secure whilst keeping your premises secure, just as you'd expect from Redvision.

A fully motorised 2.7mm ~ 12mm Smart Auto Focus lens guarantees sharp images in both day and night time, whilst making installation setup quick and easy.

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.

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. **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.

3D positioning arm allows you to find that perfect spot to view exactly what you need. An **adjustable Sunshield** means unwanted glare is kept out in almost any installation positions.

The **Redvision** range of Starlight fixed cameras has been designed to meet and exceed the demanding needs of a modern surveillance system and the convenience and ease of installation that Integrators appreciate.

So, contact the **Redvision Team** on **+44 (0) 1420 448 448** today to find out more and book an online demonstration, we look forward to hearing from you!

Come join the Redvision family!

Part Codes:

RVK-W20-IR   KNIGHT WATCH 1/2.8 CMOS, 2MP Bullet Camera, 2.7~12mm motorized lens, 60m IR, IK10
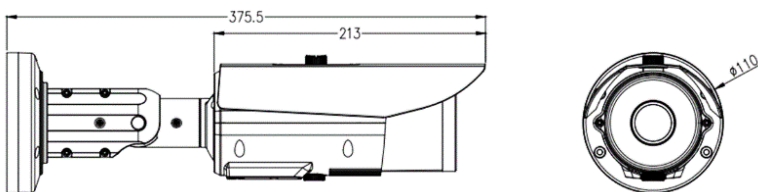
ONVIF | The IP-based Security Standard

UK Manufacturer - Proud UK Service and Support

Camera Specification

Camera module	2MP 1/2.8" CMOS Super Low-Light sensor, Progressive-Scan
Sensitivity	Colour: 0.001Lux @ F1.2 Monochrome: 0.0001Lux
Max. Resolution	1920x1080
S/N Ratio	55dB
Lens	2.7mm~12mm Motorised Smart AF F1.3
FoV	105°(W) ~ 32°(T)
Noise Reduction	2D/3D Digital
WDR	True, 120dB
Image Enhancement	WDR, BLC, HLC, Defog, DIS
IR Range	Up to 60m
Day/Night Switching	True-ICR

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

Network Interface

Interface	Ethernet RJ45, 10-100Base-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)	256GB
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering
SDK	Available
Max. Simultaneous users	10

Events

Alarms	1 in, 1 out
Video Analysis	Motion Detection, Multiple IVA
Email notifications	Yes
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

Electrical & Physical

Power Supply	12VDC, PoE (802.3af)
Power Consumption	10.5W max. (IR On)
Dimensions	375.5mm L x 110mm Ø
Weight	1.68kg
Operating Temperature	-40°C ~ +60°C
Relative Humidity	≤ 90%
Ingress Protection	IP67
Impact Rating	IK10
Window Material	Polycarbonate
Housing Material	Aluminium
Colour	White.
Certifications	CE/FCC

- Super WDR Low-Light performance
- Motorised Zoom Lens with Smart Auto Focus
- 60m Smart IR Integral LEDs
- Polycarbonate window
- Easy positioning
- PoE for easy connection, low power consumption
- SD Card recording option (256GB)
- ONVIF Profile S, G & Q Compliant

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