Knight Eye 10

The all-new **KNIGHT** Super Low-Light 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 Eye 10™ camera utilises leading-edge sensor technology, with a 2 Megapixel **Super 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 (8W, 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 IR LEDs provide up to **30m** of **Smart IR** range, ensuring any night-time activity is captured in **full HD** with stunning image quality. The IR LEDs are fully isolated from the camera lens, meaning no glare or haze, only crystal-clear images all night long.

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.

A **tough, solid** casing means your cameras are well-protected against the elements and local environment, to **IP67 standard**.

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.

The **Redvision** range of Super low-light 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** today on **+44 (0) 1420 448 448** to find out more and book an online demonstration, we look forward to hearing from you!

Come join the Redvision family!

Part Codes:

RVK-E10-IR   KNIGHT EYE 1/2.8 CMOS, 2MP Eyeball Dome Camera, 2.7~12mm motorized lens, 30m IR
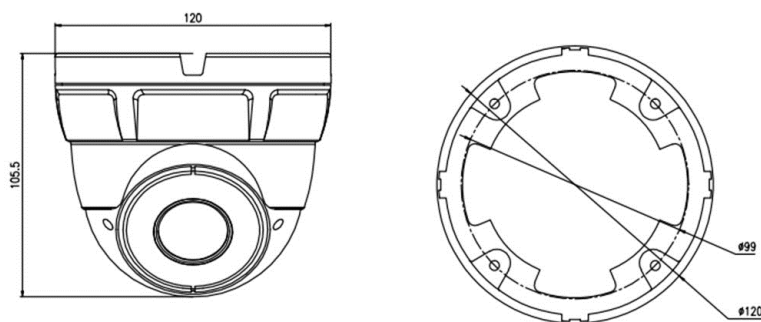
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Camera Specification

Camera module	2MP 1/2.8" CMOS 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	120dB
Image Enhancement	WDR, BLC, HLC, Defog, DIS
IR Range	Up to 30m
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	8W max. (IR On)
Dimensions	105.5mm L x 120mm Ø
Weight	700g
Operating Temperature	-40°C ~ +60°C
Relative Humidity	≤ 90%
Ingress Protection	IP67
Housing Material	Metal
Colour	Aluminium
Certifications	CE/FCC

- Super Low-Light performance
- Motorised Zoom Lens with Smart Auto Focus
- 30m Smart IR Integral LEDs
- Easy positioning
- 256GB SD Card recording
- PoE for easy connection, low power consumption
- ONVIF Profile S & Q Compliant
- Intelligent Video Analytics
- Audio In/Out

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