



RVK-SN40-IR

Knight Scan 40



Key Features

- 1/2.8" Progressive Scan CMOS, 4MP Sensor
- **PoE for Simple Plug and Play Connection**
- Super Low-Light Performance
- Fixed Lens
- Easy Positioning

- ONVIF Profile S, G & T Compliant
- 15m Adaptive IR Integral LEDs
- Intelligent Video Analytics
- Audio In/ Out
- IP66, IK10
- Cast Aluminium Body





KNIGHT SCAN 40 Mini Dome Camera

The Knight Scan 40 camera utilises leading-edge sensor technology, with a 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 (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.

Adaptive IR Illumination

Integral IR LEDs provide up to 15m of Adaptive IR range, ensuring any night-time activity is captured in full HD with stunning image quality. The Knight Star 40 automatically adjusts the IR intensity in proportion to zoom and scene content. The internal window O-ring reduces IR glare from the LED's.

Fixed Focus, 4MP Resolution

A 2.8mm fixed focus lens with incredible 4MP resolution guarantees sharp images in both day and night-time, with a view suitable for numerous installations.

Vandal Resistant IK10 Aluminium Body

A tough, solid cast aluminium casing results in the camera being well-protected against the elements and local environment, to IP66 and IK10 standard. A rugged aluminium housing secures the camera whilst keeping the premises secure.

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.

ONVIF Compliant

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

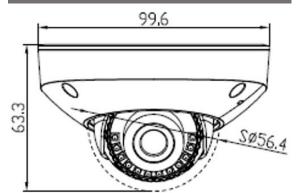
Additional Features

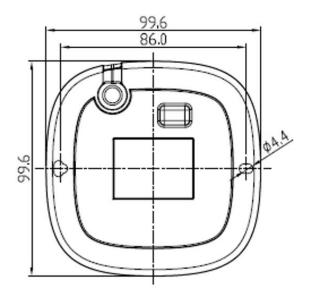
Motion Detection, Intelligent Video Analytics, Smart Encoding and Region of Interest allow users to tailor cameras to suit each individual scene, optimising recording time for only events or information that really matters to you.

Simple Installation

3D positioning allows users to find that perfect spot to view exactly what's required.

Dimensions (mm)





Redvision

Technical Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	4MP (2592×1520)
Electronic Shutter	Auto/Manual, 1/5 ~ 1/20,000s
Min. illumination	Colour: 0.03 Lux @ (F1.6, AGC ON) , B/W: 0 Lux @ (IR LED ON)
Day & Night	IR cut filter
IR Distance	Up to 15 m
IR On/Off Control	Auto/Manual
Pan/Tilt/Rotation Range	Pan: ±45°, Tilt: 0° ~ 72°, Rotation: 0° ~ 360°
Lens	
Lens Type	Fixed focus
Iris	Fixed Iris
Focal Length	2.8 mm
F Number	F2.0
Field of View	H: 93.4°, V: 69.1°
Video	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps 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 – Bandwidth Optimisation	Support
Image	
Image Adjustment	Brightness/Sharpness/Contrast/Saturation adjustable
Aisle Mode	Supported
Mirror	Supported
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Adaptive Illumination	Supported
Noise Reduction	2D/3D DNR
Wide Dynamic Range	True WDR
Image Enhancement	HLC, BLC, Defog
S/N Ratio	55dB
Motion Detection	Supported
Privacy Masking	Supported

Multi-Object DetectionFace, human & vehicle detectionSmart EventsIntrusion, Single line crossing, Double line crossing, Support alarm triggering by specified target types (human and vehicle)AutioAutioCompression6.711, RAW_PCMBit Rate8kbps, 16kps, 64kbpsNetworkProtocolsIPV4/IPV6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, MTP, RTDP/RTP, PPPOE, SMTP, DNS, UP/P, FTP, ARP, SNMP, TLS/SSLInteroperabilityONVIF (Profile S, G & T), SDK, CGIStreaming MethodUnicastMax. User Access10 UsersItanguageEnglish, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAdido Interface1 ch Input, 1ch OutputAudio InterfaceSupportedSupportedSupportedSupportedSupportedPrever Supply1 SuportedPower Supply1 SuportedPower ConsumptionMax 5WOperating Hernperature-40°C ~55°COperating HundityIces than 90% RHIngerss ProtectionIFG6Ingact RatingIK10Contract RatingIceFCC	Smart Event		
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Nax. User Access10 UsersMex. User Access10 UsersWeb ViewerMicrosoft Edge, Chrome, Firefox, OperaLanguageEnglish, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishInterface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 Ch Input, 1ch OutputBuilt-in MicrophoneYesAlarm Interface1 ch Input, 1ch OutputReset ButtonSupportedSD Card SlotBuilt-in, up to 256GBFleetrical12VDC (-15%-+25%)/POE (IEEE 802.3af)Power ConsumptionMax 5 WOperating emperature-40°C ~ 55°COperating HumidityLess than 90% RHIngact RatingIK10CertificationsCE/FCC	Interoperability	ONVIF (Profile S, G & T), SDK, CGI	
Number of the second	Streaming Method	Unicast	
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LanguageFrench, Czech, Hungarian. Default: EnglishInterfaceNetwork Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1 ch Input, 1ch OutputBuilt-in MicrophoneYesAlarm Interface1 ch Input, 1ch OutputReset ButtonSupportedSD Card SlotBuilt-in, up to 256GBElectricalPower Supply12VDC (-15%~+25%)/POE (IEEE 802.3af)Power ConsumptionMax 5 WOperating Temperature-40°C ~ 55°COperating HumidityLess than 90% RHIngress ProtectionIP66Impact RatingIK10CertificationsCE/FCC	Web Viewer	Microsoft Edge, Chrome, Firefox, Opera	
Network Interface1 Ethernet (10/100 Base-T) RJ-45 ConnectorAudio Interface1ch Input, 1ch OutputBuilt-in MicrophoneYesAlarm Interface1ch Input, 1ch OutputReset ButtonSupportedSD Card SlotBuilt-in, up to 256GBElectrical12VDC (-15%~+25%)/POE (IEEE 802.3af)Power Supply12VDC (-15%~+25%)/POE (IEEE 802.3af)Power ConsumptionMax 5 WOperating Temperature-40°C ~ 55°CIngress ProtectionIP66Impact RatingIK10CertificationsCE/FCC	Language		
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Reset ButtonSupportedSD Card SlotBuilt-in, up to 256GBElectricalPower Supply12VDC (-15%~+25%)/POE (IEEE 802.3af)Power ConsumptionMax 5 WOperating Temperature-40°C ~ 55°COperating HumidityLess than 90% RHIngress ProtectionIP66Impact RatingIK10CertificationsCE/FCC	Built-in Microphone	Yes	
SD Card SlotBuilt-in, up to 256GBElectricalPower Supply12VDC (-15%~+25%)/POE (IEEE 802.3af)Power ConsumptionMax 5 WOperating Temperature-40°C ~ 55°COperating HumidityLess than 90% RHIngress ProtectionIP66Impact RatingIK10CertificationsCE/FCC	Alarm Interface	1ch Input, 1ch Output	
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Power ConsumptionMax 5 WOperating Temperature-40°C ~ 55°COperating HumidityLess than 90% RHIngress ProtectionIP66Impact RatingIK10CertificationsCE/FCC	Electrical		
Operating Temperature -40°C ~ 55°C Operating Humidity Less than 90% RH Ingress Protection IP66 Impact Rating IK10 Certifications CE/FCC	Power Supply	12VDC (-15%~+25%)/POE (IEEE 802.3af)	
Temperature -40°C ~ 55°C Operating Humidity Less than 90% RH Ingress Protection IP66 Impact Rating IK10 Certifications CE/FCC	Power Consumption	Max 5 W	
Ingress Protection IP66 Impact Rating IK10 Certifications CE/FCC		-40°C ~ 55°C	
Impact Rating IK10 Certifications CE/FCC	Operating Humidity	Less than 90% RH	
Certifications CE/FCC	Ingress Protection	IP66	
	Impact Rating	IK10	
	Certifications	CE/FCC	
Casing Aluminium	Casing	Aluminium	
Dimensions 99.6 × 99.6 × 63.3 mm	Dimensions	99.6 × 99.6 × 63.3 mm	
Net Weight 0.38 kg	Net Weight	0.38 kg	