

## KLIS IP MD-4K-IRN

KLIS IP MD-4K-IRN is an easy setup camera with PoE supported to reduce complicated cabling without sacrificing performance. Quad Streams Compression are supported for efficient bandwidth and storage management. Up to 4K2K real-time resolution is offered for providing high definition images. For dark environments, the camera has HDR, 3DNR and Day/Night ICR technologies to capture clear images. The compact outlook design of the camera is ideal for hard surface mount installation, and with conduit for cabling in outdoor environment. Meanwhile, the modularized design makes the installation even more easier by snapping on the camera module after housing installation directly. Mounting accessories like in-ceiling mount, wall mount bracket, pendant mount kit are all available for the camera.



### FEATURES

- Multiple Progressive Scan CMOS Sensor support up to 8M Resolution
- Multi Exposure HDR
- Multi Codec support (H.265 / H.264 / MJPEG)
- Quad Streams Support
- True Day/Night function (ICR)
- IR LED (working distance up to 40m)
- 3D Motion Compensated Noise Reduction
- Smart Event function
- Micro SD/SDHC/SDXC Card support
- Text Overlay and Privacy Masks
- ONVIF – GENETEC Protocol
- Smart Low Bitrate control
- Weatherproof (IP66 International)
- Vandal Proof (IK10 Rating)
- Zero-Down-Time (ZDT) Power Switching

## TECHNICAL SPECIFICATION

4K		
Image Sensor	Sony 4K 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 3864x2180(4K)	
Pixel Size	2.0 µm	
Frame Rate (Maximum)	H.265 HDR 4k @30fps + d1 @30fps HDR 6M @30fps + 720p @30fps	
	H.264 HDR 4k @30fps + d1 @30fps HDR 6M @30fps + 720p @30fps	
	MJPEG 1080p @30fps	
Lens		
Minimum Illumination	Color B/W	0.04 lux 0.002 lux
Lens	Zoom Lens	focus, zoom, P-Iris, F1.6
	Focal Length	4-8 mm
	Horizontal FOV	113° (wide), 59° (tele)
	Vertical FOV	63° (wide), 32° (tele)

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
EIS	No
Zoom	Optical zoom, digital zoom ready
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Corridor Mode	90°, 180°, 270° rotation

Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	Up to 4 individually configurable streams in H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264

Audio Codec	
Compression	G.711/G.726/AAC/LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out

Network	
Interface	1Gbps Ethernet
Security	User Authentication/HTTPS/IP Filter/IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS
ONVIF	Profile S / G / Q conformant

System Integration	
Analytics	Motion Detection/Audio detection
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and audio recording to edge storage File Upload: FTP, network share and email Notification: HTTP, FTP, email

General	
Casing	Metal body
Power	PoE IEEE802.3af, class 0 DC12V, 1.14A, max 13.68 watt AC24V, max 13.68 watt
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC24V Terminal Block
	Audio in Terminal Block
	Audio out Terminal Block CVBS Connector
IR Illumination	Illumination distance: 40m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C (-22°F~131°F) without heater -55°C~55°C (-67°F~131°F) with heater 10%~90%, No Condensation
Storage Conditions	-20°C ~ 70°C (-4°F~158°F)
Approvals	EMC CE / FCC
	Safety LVD
	Environment IP66, IK10
Dimensions	Ø 133.8 x 117.4 mm
Weight	760 g

All specifications subject to change without notice



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