

## KLIS IP MD-4K-USF

### KEY FEATURES

- Multiple Progressive Scan CMOS support up to 8MP resolution
- Multi-Exposure HDR
- Multi-Codec support (H.265 / H.264 / MJPEG)
- Quad Stream support
- True Day/Night function (ICR)
- IR LEDs (range up to 40 m)
- 3D Motion Compensated Noise Reduction
- Advanced Video Analytics:
  - Face and license plate detection and recognition
  - Object classification
  - People recognition
  - Tracking
- Smart Event Functions:
  - External Input
  - Motion Detection
  - Network Failure Detection
  - Tamper Alarm
  - Periodic Event
  - Manual Trigger
  - Audio Detection
- Micro SD/SDHC/SDXC card support
- ONVIF – GENETEC protocol
- Weatherproof (IP66)
- Vandal-proof (IK10)



# TECHNICAL SPECIFICATION

Sony 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 + 2M @30fps	
	H.264 HDR 4K @30fps + 2M @30fps	
	MJPEG 1080p @30fps	
Lens		
Minimum Illumination	Color	0.04 lux
	B/W	0.002 lux
Lens	Type	Motorized Lens, P-Iris, F1.5
	Focal Length	3.6-11mm
	Horizontal FOV	115.0° (wide), 47.5° (tele)
	Vertical FOV	61.2° (wide), 27.0° (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 by lens type
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 / T conformant
System Integration	
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

Intelligent Video Analytics	
General Analytics	Motion Detection/Tampering/Audio detection
DNN Analytics	Face Detection/Tracking/Recognition LPR Detection/Recognition People Counting Human/Vehicle Classification Object Classification/Recognition

General	
Casing	Metal Body
Power	PoE IEEE802.3af, class 0 , max 11.67 watt DC12V, max 12.14 watt AC24V, max 11.99 watt, max 20.02 VA
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC 24V 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 without heater -55°C~55°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC CE / FCC Safety LVD Environment IP66, IK10
Dimensions	Ø133.8x117.4 mm
Weight	760 g

All specifications subject to change without notice



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