MINOLTA®

MD08-EMR

4K Vandal Dome, Motorized 3.6-11mm,
IP66, IK10, NDAA

DNN Edge Analytics

The latest computer vision technology makes DNN accelerated video processing engine efficient at the edge. This engine provides high accuracy, real-time object tracking and human face detection. Moreover, it allows simultaneous detection on multiple objects.

IK 10

This rugged dome camera is protected against punishing weather, vandals, vibration and shock. Its durability translates into better reliability and usability by reducing maintenance time.

Features

- Progressive Scan CMOS Sensor support up to 8mp 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
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/T/M support
- Deep Neural Network Accelerated Engine
- Face/LPR Detection and Recognition
- Object Classification and Recognition
- People Detection and Tracking
- Smart Event function
- External Input/ Motion Detection
- Network Failure Detection/ Tampering Alarm
- Periodical Event/ Manual Trigger/ Audio Detection
- Weatherproof (IP66)
- Vandal Proof (IK10 Rating)
- Zero-Down-Time(ZDT) Power Switching
- NDAA Compliant

MINOLTA®

Custom Specification (Default)

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)	

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Zoom	Optical zoom, digital zoom 10x
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Image Rotation	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 / T / M 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 12.95 watt DC12V, max 14.28 watt AC24V, max 17.55 watt, max 29.41 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
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 Environment IP66, IK10
Dimensions	Ø133.8x117.4 mm
Weight	760 g