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ZD02-EMR-40

2MP IR PTZ, 40x Optical Zoom, 100 m IR, IP 66, IK 10, 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.

HDR Engine Gen3

The latest HDR engine delivers excellent, natural high dynamic images. Both details of high light and low light areas are kept, and no blending artifacts are generated.

Crystal Engine Gen3

Under extremely low light environment, Crystal engine gen3 delivers low noise, high quality image without compromising on details. In addition, it also keeps image sharp on motion object.

Features

- Sony Progressive Scan CMOS Sensor support 8M Resolution
- 8M, 22x Optical Zoom available
- Multi Exposure HDR
- Electrical Image Stabilizer (EIS) Support
- Multi Codec support (H.265/H.264/MJPEG)
- 3D Motion Compensated Noise Reduction
- IR LED (working distance up to 100m)
- ONVIF Profile S/G/T/M support
- Servo Feedback Zero Drifting
- 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/Audio Detection
- Periodical Event/Manual Trigger
- Weatherproof (IP66)
- NDAA Compliant

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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	H.265 HDR 4	K @30fps + 2M @30fps	
(Maximum)	H.264 HDR 4	K @30fps + 2M @30fps	
	MJPEG 21	V @30fps	
Lens : Default			
Minimum	Color	0.04 lux	
Illumination	B/W	0.002 lux	
Lens	Туре	22x Zoom Lens, P-Iris, Auto-Iris,	
		F1.5	
	Focal Length	6.4-138.5 mm	
	Horizontal FOV	62.6 ^o (wide), 3.2 ^o (tele)	
	Vertical FOV	36.7º (wide), 1.9º (tele)	

Common Specification

-				
Camera				
Day and Night	Removable IR-cut filter			
Shutter Time	1~1/10K sec.			
HDR	Gen3 Engine			
EIS	Yes	Yes		
Digital Zoom	10x			
Image Settings	Exposure, White Balance, Brightness, Sharpness,			
	Contrast, Saturation, Hue, IR Threshold, Noise			
	Reduction, Backlight Compensation, Text Overlay,			
D !	Privacy Mask			
Rotation	90°, 180°, 270° rotation			
Pan/Tilt	Pan: 0~360° endless	Tile - 20x1000		
Pan/Tilt Range		Tilt : -20~100°		
Manual Speed	Pan : 0.1~90°/s	Tilt : 0.1~55°/s		
Preset Speed	Pan : 300º/s	Tilt : 300°/s		
Preset	256			
PTZ Mode	8 Sequence, 8 cruise, 4 auto pan			
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			
Audio Codec	LBR/VBR/CBR in H.265/H	.204		
Compression				
-	G.711/G.726/AAC/LPCM			
Streaming Audio Input	2 way			
	Line in			
Audio Output Network	Line out			
Interface	10/100/1000Mbps Ethor	not		
	10/100/1000Mbps 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,			
Protocols	HTTPS, FTP, NTP, DDNS	ור, תוד, תוסד, חווד,		
ONVIF	Profile S/G/T/M conformant			
ONNI		iunt		

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	Motion Detection/Audio Detection		
Analytics			
DNN Analytics	Face Detection/Tracking/Recognition LPR Detection/Recognition People Detection and Tracking Human/Vehicle Classification Object Classification/Recognition		

General			
Casing	Metal and Plastic		
Power	IEEE802.3bt, Type 3, class 6, max TBD watt		
	AC24V, max TBD watt, max TBD VA		
Connectors	RJ45		
	AC24V, Terminal Block		
	Alarm in x4, Alarm out x2, Terminal Block		
	Audio in, Terminal Block		
	Audio out, Terminal Block		
IR Illumination	100m		
Distance			
Storage	Support for microSD/microSDHC/microSDXC Support for recording to NAS		
Operating	-40°C~50°C, with heater		
Conditions	10%~90%, No Condensation		
Storage	-20°C~70°C		
Conditions			
Approvals	EMC	CE/FCC	
	Safety	RoHS	
	Environment	IP66	
Dimensions	Ø207x300 mm with Sunshield		
Weight	3.9 kg		