

PTZ GDR-VMS-4HD-AI-PTZ

The Guardiar AI series of products adopt the most advanced technologies available, including deeplearning algorithms that primarily target people and vehicles, providing greater flexibility and accuracy for end-users. The power of AI allows devices to analyze the environment and provide the most advanced security available.

This camera possess wide monitor range, that can always present a clear, focused image while zooming.

FEATURES

- > Perimeter protection
- > Intelligent video analysis
- > Low light performance
- > Wide dynamic range
- > SMD plus
- > Powerful 25x optical zoom
- > IR distance up to 100m (328')



Guardiar

PAN-TILT-ZOOM IR DOME CAMERA



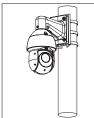
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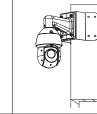
MOUNT INCLUDED



Wall Mount

OPTIONAL MOUNTS





Pole Mount GDR-VMS-PM-PTZ



Junction Box GDR-VMS-JB-PTZ

PTZ GDR-VMS-4HD-AI-PTZ

CAMERA

Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	4MP
Max. Resolution	2560 (H) × 1440 (V)
Electronic Shutter Speed	1/1 s–1/30,000 s
Min. Illumination	Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 0Lux@F1.6 (IR light on)
IR Distance	100 m (328.08 ft)

LENS

Focal Length	4.8 mm–120 mm			
Max. Aperture	F1.6-F4.0			
Field of View	H: 60.0°–2.5°; V: 30.8°–2.2°; D: 66.7°–2.9°			
Optical Zoom	25x			
Focus Control	Auto/Semi-Auto/Manual			
Iris Type	Auto/Manual			
Iris Control	Detect	Observe	Recognize	Identify
	2540m (8333.3 ft)	1016m (3333.3 ft)	508m (1667 ft)	254m (833.3 ft)

PTZ

Pan/Tilt Range	Pan: 0°–360° (endless) Tilt: -15°–90° (auto flip 180°)
Manual Control Speed	Pan: 0.1°–200°/s Tilt: 0.1°–120°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D (auto recognition)

NETWORK

Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; SSL; TCP/IP; UDP; UPnP; ICMP; IGMP; SNMPv1/v2c/v3(MIB-2); ARP; RTCP; RTSP; RTP; SMTP; NTP; DHCP; DNS; PPPOE; DDNS; FTP; IP Filter; QoS; Bonjour; 802.1x
Interoperability	ONVIF Profile S&G CGI
Edge Storage	NAS; Local PC; Micro SD card (256G)

INTELLIGENCE

× 576/704 × 480); CIF (352 × 288/352 × 240)Bit Rate ControlVariable Bit Rate/Constant Bit RateVideo Bit RateH.265/H.264: 3 kbps-20480 kbpsDay/NightAuto(ICR)/Color/B/WBLC / HLCSupport / SupportWDR120 dBWhite BalanceAuto/Indoor/Outdoor/Track/Manual/Sodium lamp/Natural light/Street lampGain ControlAuto/ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportElectronic Image StabilizationSupportElectronic DefogSupportImage Rotation0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)Flip180°Privacy Masking4 up to 24 areas, and up to 8 areas in the same view operating Temperature:Ingress Protection:IP66			
IntelligenceObject Abandoned/MissingPerimeter ProtectionTripwire and intrusion. Support alarm triggering by target types (human and vehicle). SupportFace DetectionSupportVideo MetadataSupport human, motor vehicle and non-motor vehicle image capture.VIDEOVideo CompressionMain stream: 4MP/3MP/1080P/13MP/720P (1-25fps) Sub stream 1: DI/CIF (1-25fps) Sub stream 1: DI/CIF (1-25fps)Smart Codec3 streamsFrame RateMain stream: 4MP/3MP/1080P/13MP/720P (1-25fps) Sub stream 1: DI/CIF (1-25fps) Sub stream 1: DI/CIF (1-25fps)Stream Capability3 streamsResolution4M (2560 x 1440); 3M (2048 x 1536); 1080P (1920 x 1080); 13M (1280 x 960); 720P (1280 x 720); DI (704 x 576/704 x 480); CIF (352 x 288/352 x 240)Bit Rate ControlVariable Bit Rate/Constant Bit RateVideo Bit RateH.265/H.264: 3 kbps-20480 kbpsDay/NightAuto(ICR)/Color/B/WBLC / HLCSupport / SupportWDR120 dBWhite BalanceAuto/Indoor/Outdoor/Track/Manual/Sodium lamp/Natural light/Street lampGain ControlAuto/ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportElectronic Image StabilizationSupportElectronic CofogSupportFina180°Privacy Masking4 up to 24 areas, and up to 8 areas in the same view Operating -40°C to +70°C (-40°F to +158°F)Images ProtectionIP66	Event Trigger	changing, Network disconnection, IP address	
Perimeter Protectionby target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.Face DetectionSupport human, motor vehicle and non-motor vehicle image capture.Video MetadataSupport human, motor vehicle and non-motor vehicle image capture.Video CompressionH.265+/H.264/H.264/MJPEC (sub stream)Smart Codec3 streamsFrame RateMain stream: 4MP/3MP/1080P/1.3MP/720P (1-25fps) Sub stream 1: DI/CIF (1-25fps) Sub stream 2: 1080P/1.3M/720P (1-25fps)Stream Capability3 streamsResolution4M (2560 x 1440); 3M (2048 x 1536); 1080P (1920 x 1080); 1.3M (1280 x 960); 720P (1280 x 720); DI (704 x 576/704 x 480); CIF (352 x 288/352 x 240)Bit Rate ControlVariable Bit Rate/Constant Bit RateVideo Bit RateH.265/H.264: 3 kbps-20480 kbpsDay/NightAuto(ICR)/Color/B/WBLC / HLCSupport / SupportWDR120 dBWhite BalanceAuto/Indoor/Outdoor/Track/Manual/Sodium lamp/Natural light/Street lampGain ControlAuto/ManualNoise ReductionUltra DNR (2D/3D)Motion DetectionSupportElectronic Image StabilizationSupportElectronic DefogSupportFlip180°Privacy Masking4 up to 24 areas, and up to 8 areas in the same view Operating Temperature: Ingress Protection:Ingress ProtectionIP66		Object Abandoned/Missing	
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Temperature: -40°C to +70°C (-40°F to +158°F) Ingress Protection: IP66	Privacy Masking	4 up to 24 areas, and up to 8 areas in the same view	
		-40°C to +70°C (-40°F to +158°F)	
Dower Supply: 12/DC/3A / DOE+	Ingress Protection:	IP66	
Power Power Consumption: 13W (IR on: 21W)	Power	Power Supply: 12VDC/3A / POE+ Power Consumption: 13W (IR on: 21W)	

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