

### PTZ

### GDR-VMS-4HD-AI-PTZ

The Guardiar AI series of products adopt the most advanced technologies available, including deep-learning 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')

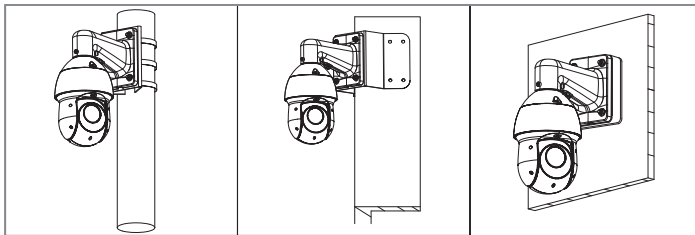


#### MOUNT INCLUDED



Wall Mount

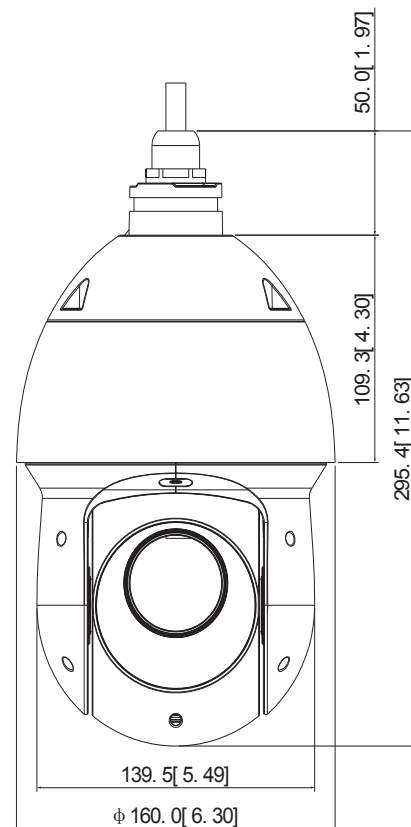
#### OPTIONAL MOUNTS



Pole Mount  
GDR-VMS-PM-PTZ

Corner Mount  
GDR-VMS-CM

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

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing
Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
Face Detection	Support
Video Metadata	Support human, motor vehicle and non-motor vehicle image capture.

## VIDEO

Video Compression	H.265+/H.265/H.264+/H.264/MJPEG (sub stream)
Smart Codec	3 streams
Frame Rate	Main stream: 4MP/3MP/1080P/1.3MP/720P (1–25fps) Sub stream 1: D1/CIF (1–25fps) Sub stream 2: 1080P/1.3M/720P (1–25fps)
Stream Capability	3 streams
Resolution	4M (2560 × 1440); 3M (2048 × 1536); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	Variable Bit Rate/Constant Bit Rate
Video Bit Rate	H.265/H.264: 3 kbps–20480 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC / HLC	Support / Support
WDR	120 dB
White Balance	Auto/Indoor/Outdoor/Track/Manual/Sodium lamp/Natural light/Street lamp
Gain Control	Auto/Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Support
Region of Interest	Support
Electronic Image Stabilization	Support
Electronic Defog	Support
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Flip	180°
Privacy Masking	4 up to 24 areas, and up to 8 areas in the same view
Operating Temperature:	-40°C to +70°C (-40°F to +158°F)
Ingress Protection:	IP66
Power	Power Supply: 12VDC/3A / POE+ Power Consumption: 13W (IR on: 21W)

## MIDDLE EAST

P.O. Box 293517  
DAFZA, Building E 5, Block A  
8<sup>th</sup> Floor, Office 802,  
Dubai-UAE  
TEL: +971 04 6091122

## EUROPE

Stedestraat 51, 8530  
Harelbeke Belgium  
Blokkestraat 34B, 8550  
Zwevegem Belgium  
TEL: +32 51 79 17 38

## USA

3309 SW Interstate 45  
Ennis, TX 75119, USA  
1637 NW 136<sup>th</sup> Avenue Building G,  
Sunrise, FL 33323, USA  
TEL: +1 972 878 7000

## AFRICA

Unit B10, Bergriver Business Park,  
Paarl, 7646, South Africa  
Unit 3, CDE Premium Park,  
Johannesburg, 1685, South Africa  
TEL: +27 11 314 8034

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info@guardiar.com | guardiar.com