Guardiar
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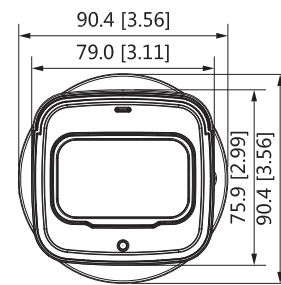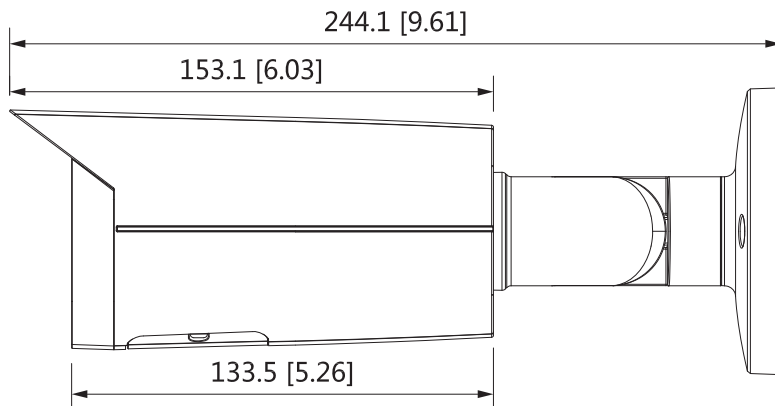
PRO ANALYTICS FULL-COLOR
BULLET CAMERA

PRO BULLET
GDR-VMS-4HD-AI-B

The Guardiar Pro Bullet adopts the most advanced AI technologies, including deep-learning algorithms that primarily target people and vehicles, providing greater flexibility and accuracy. Offering advanced applications such as facial detection, ANPR, metadata, people counting, traffic data statistics and more.
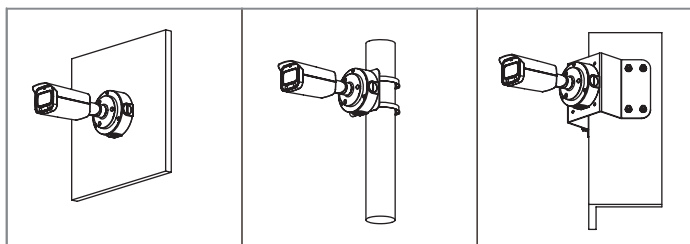
The complete lineup of Guardiar AI includes network (PTZ) cameras, network video recorders, servers and platform management products. The power of AI allows devices to analyze the environment and provide the most advanced security available.

FEATURES

> Perimeter protection

> Smart IR technology

> Intelligent video analysis

> Low light performance

> People counting technology

> Warm supplemental lights

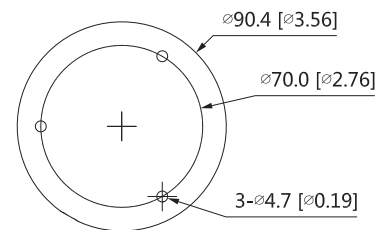
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153.1 [6.03]

133.5 [5.26]

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79.0 [3.11]

75.9 [2.99]

90.4 [3.56]

∅90.4 [∅3.56]

∅70.0 [∅2.76]

3-∅4.7 [∅0.19]

MOUNT OPTIONS

Junction Box
GDR-VMS-JB-B

Pole Mount
GDR-VMS-PM

Corner Mount
GDR-VMS-CM

PRO BULLET GDR-VMS-4HD-AI-B

CAMERA

Image Sensor	1/1.8" 4Megapixel progressive scan CMOS
Effective Pixels	2688 (H) × 1520 (V)
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.001 Lux @F1.0

LENS

Lens Type	Fixed-focal
Focal Length	3.6mm
Max. Aperture	F1.0
Angle of View	Horizontal: 93° | Vertical: 50°

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	70m (230 ft)	28m (91 ft)	14m (46ft)	7m (23ft)

INTELLIGENCE

Perimeter Protection	Reduces false alarms and decreases pixel count requirements for object detection. Features custom tripwires based on object type for automation in limited access areas such as pedestrian or vehicle-only zones.
Face Detection	Able to track, snapshot and capture high quality pictures. Single inch photo, half length and full length. Real-time snapshot, optimization snapshot and quality priority with face angle filter.
People Counting	Using advanced image processing technology, it is able to capture information from within images. The camera pairs this information with deep learning algorithms to analyze and detect human bodies and track target objects in real time. Able to count entry and exit number, a number of people in an area, queue management outputting yearly/monthly/weekly/daily reports.
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.

NETWORK

Ethernet	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; P2P
Edge Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS

VIDEO

Video Compression	H.265, H.264, H.264B, H.264H, MJPEG(sub stream)
Smart Codec	Yes
Frame Rate	Main Stream: 2688 × 1520 (1 fps–25/30 fps) 2560 × 1440 (1 fps–25/30 fps) 1920 × 1080 (1 fps–50/60 fps) Sub Stream: D1 (1 fps–25/30 fps) D1 (1 fps–50/60 fps) Third Stream: 1080P (1 fps–16 fps)
Stream Capability	3 streams
Resolution	2688 × 1520/2560 × 1440/2304 × 1296/1080P (1920 × 1080)/1.3M (1280 × 960)/720P (1280 × 720)/D1 (704 × 576/704 × 480)/VGA (640 × 480)/ CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–8192 kbps H.265: 19 kbps–8192 kbps
Day/Night	Day/Night: Electronic Color/B/W
BLC	3D
HLC	Yes
WDR	140dB
Scene Self-adaptation	Yes
White Balance	Auto/natural/street lamp/outdoor/manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas)
Region of Interest (RoI)	Yes (4 areas)
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Privacy Masking	4 areas
Operating Temperature:	-30°C to +60°C (-22°F to +140°F)
Ingress Protection:	IP67
Vandal resistance:	IK10
Power	Power Supply: 12VDC / POE Power Consumption: <4.4W

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