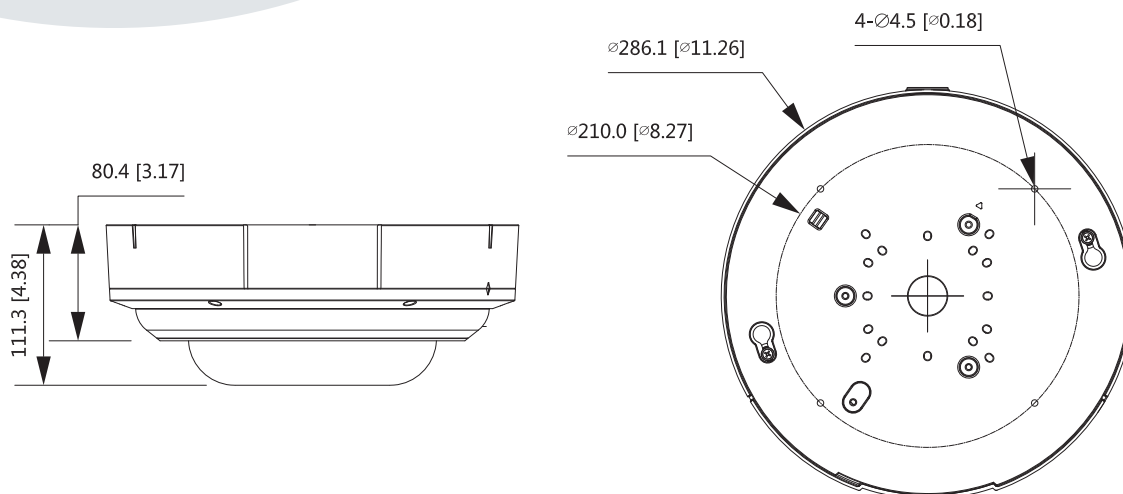# Guardiar
a PRÆSIDIAD brand
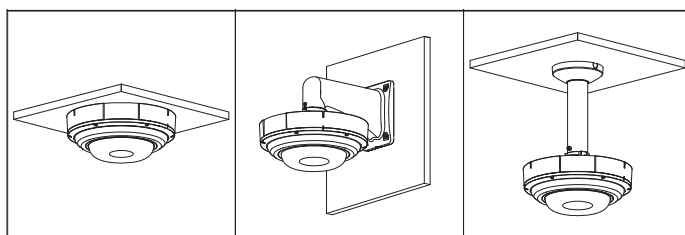
LITE PANORAMIC
GDR-VMS-20MP-LT-PAN

The non-splicing camera with adjustable lenses allows for 360° surveillance coverage, which can be used in conjunction with multiple cameras, and is quick and easy to install.

FEATURES:

> Smart Codec (H.265+ & H.264+) - reduces bit rate and storage requirements by up to 70% when compared to standard video compression.

> Face Detection - detecting, tracking, capturing and selecting the best face image

> People Counting - track and process moving humans to gather accurate statistics of entry, exit number and people in an area.

> Perimeter Protection - recognize human and vehicle accurately

> Protection from water and dust (IP67, IK10, wide voltage)

80.4 [3.17]

111.3 [4.38]

⌀286.1 [⌀11.26]

⌀210.0 [⌀8.27]

4-⌀4.5 [⌀0.18]

MOUNT OPTIONS

Ceiling mount   Wall mount   Ceiling mount

LITE PANORAMIC GDR-VMS-20MP-LT-PAN

CAMERA

Image Sensor	1/2.7" 5Megapixel progressive scan CMOS
Max. Resolution	2592 (H) × 1944 (V)
ROM/RAM	32 GB / 4 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s
Minimum Illumination	0.005 Lux @F1.7
S/N Ratio	>56 dB
Illumination Distance	30 m (98.4 ft) (IR LED)
Illumination On/Off	Auto/Manual
Illumination Number	8 (IR LED)
Pan/Tilt/Rotation Range	Pan: 0°–360° | Tilt: 0°–80° | Rotation: 0°–355°

LENS

Lens Type	Motorized vari-focal
Mount Type	φ14
Focal Length	2.8 mm–12 mm
Max. Aperture	F1.7
Field of View	Horizontal: 100°–36° | Vertical: 74°–27° Diagonal: 133°–45°
Iris Type	Fixed aperture
Close Focus Distance	0.8 m (2.6 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	66 m (216.5 ft)	26.4 m (86.6 ft)	13.2 m (43.3 ft)	6.6 m (21.7ft)
	T	140.4 m (460.6 ft)	56.1 m (184.1 ft)	28 m (91.9 ft)	14 m (45.9 ft)

ARTIFICIAL INTELLIGENCE

Face Detection	Track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear), mask, beard; face, single inch photo; 3 snapshot methods: real-time, optimization, quality priority; face angle filter; optimization time setting
IVS (Perimeter Protection)	Tripwire; intrusion; fast moving accurate detection of vehicle and human, people gathering /loitering, parking detection
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.

CERTIFICATION

Certification	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

VIDEO

Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/Smart H.264+
Video Frame Rate	Single Stream: Main stream: 5MP (1–25/30 fps) Sub stream: D1 (1–25/30 fps) Third stream: 2MP (1–25/30 fps) FlexStream: Main stream: 2MP (1–25/30 fps) Sub stream: D1 (1–25/30 fps) Third stream: 8MP (1–25/30 fps)
Stream Capability	3 streams
Resolution	Single Stream: 5M(2592×1944); 4M(2688×1520); 3M(2048×1536);2M(1920×1080);720P(1280×720); D1(704× 576/704×480);CIF(352×288/352×240) FlexStream:8M(3296×2472);5M(2592×1944); 2M(1600×1200);1.3M(1280×960); D1(704× 576/704 ×480);CIF(352×288/352×240)
Bit Rate Control	CBR/VBR
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	Auto/natural/street lamp/outdoor/manual/ regional custom
Gain Control	Auto/Manual
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower)
Privacy Masking	4 Areas

ENVIRONMENT

Operating Conditions	–30°C to +60°C (–22°F to +140°F)/Less than 95% RH
Storage Conditions	–30°C to +60°C (–22°F to +140°F)
Protection Grade	IP67; IK10

DIMENSIONS AND WEIGHT

Casing	Metal + Plastic
Dimensions	286.1 mm × 111.3 mm (11.3" × 4.4")
Net Weight	2.75 kg (8.9 lb)
Gross Weight	4.5 kg (11.0 lb)

ELECTRICAL

Power Supply	12V DC/POE(802.3at)
Power Consumption	Basic power consumption: 8.1W (12V DC); 9W (PoE) Max. power consumption (ICR + IR intensity): 21.5W (12V DC); 22.2W (POE+)

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