



Main Features

- Powerful 12x optical zoom
- Support Triple-streams encoding
- DWDR, Day/Night (ICR), DNR (2D&3D), Auto iris, Auto focus, AWB, AGC, BLC
- Max 300°/s pan speed, 360° continuous pan rotation
- Up to 80 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol



Technical Specifications

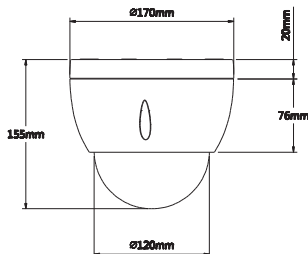
SKU#	GESSXHD-920M12XIP
Camera	
Image Sensor	1/2.8" Exmor CMOS
Effective Pixels	2 Megapixels, 1944(H) x 1092(V)
Horizontal Resolution	>1000TVL
Scanning System	Progressive
Electronic Shutter Speed	1/3s ~1/30,000s
Min. Illumination	Color: 0.05 Lux/F1.6, B/W: 0.005Lux/F1.6
S/N Ratio	More than 55dB
Camera Features	
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	2D / 3D
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Lens	
Focal Length	5.1 mm~61.2mm (12x Optical zoom)
Max Aperture	F1.6~ F3.0
Focus Control	Auto / Manual
Angle of View	H: 51.3° ~ 4.64°
Close Focus Distance	100mm~1000mm
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 300°/s; Tilt: 0.1° ~120°/s
Preset Speed	Pan: 300°/s; Tilt:200°/s
Preset	80(DH-SD)
PTZ Mode	5 Pattern, 8 Tour, 5 Auto Scan, Auto Pan

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Speed Setup	Human-oriented focal length/ speed adaptation	
Power up Action	Auto restore to previous PTZ and lens status after power failure	
Idle Motion	Activate Preset/Pan/Scan/Tour/Pattern if there is no command in the specified period	
Video		
Compression	H.264 / MJPEG	
Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)	
Frame Rate	Main Stream	1080P/ D1 (1 ~ 25/30fps), 720P(1~50/60fps)
	Sub Stream 1	D1/CIF(1 ~ 25/30fps)
	Sub Stream 2	720P/D1/ CIF (1 ~ 25/30fps)
Bit Rate	H.264: 448K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps	
Audio		
Compression	G.711a / G.711u (32kbps) / PCM (128kbps)	
Interface	1/1 channel In/Out	
Network		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP,	
Compatibility	ONVIF PSIA CGI	
Max. User Access	20 users	
Smart Phone	iPhone, iPad, Android, Windows Phone	
Auxiliary Interface		
Memory Slot	Micro SD, Max 64GB	
RS485	N/A	
Alarm	2/1 channel In/Out	
General		
Power Supply	AC24V/1.5A (±10%), POE plus (802.3at)	
Power Consumption	12W	
Working Environment	-20°C ~ 60°C / Less than 90% RH	
Ingress Protection	IP66	
Vandal Resistance	IK10	
Dimensions	Φ170mm×155mm	
Weight	1.8Kg / 3lbs	

Dimensions




* These technical specifications are subject to change without prior notice. If you have any specific questions please contact us in advance of installation at 1.866.989.4082 extension #2 or ask for technical support.

Recommended Use

- Applications that require the camera to be mounted higher than normal installation heights; such as high ceilings or walls.
- Long Range distances
- Commonly Used in Outdoor Applications

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Completely protected against dust and water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction shall have no harmful effects. 



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TECHNOLOGIES

