

SPEED DOME NETWORK CAMERA GGM CAMF28MH



CMOS

CMOS
SENSOR

HD

RESOLUTION
1920 X 1080



FUNCTION
DAY / NIGHT

IP67

WEATHER-PROOF
IP67

CMOS sensor

2-Megapixel

Triple codec
H264, MPEG-4 & MJPEG

Day / Night function

Weather-proof IP67

WDR Enhanced

GGM CAMF28MH is a best-in-class 1080p outdoor bullet network camera designed for diverse outdoor applications. With full HD resolution in 16:9 aspect ratio and WDR enhancement, users can identify image details in extremely bright as well as dark environments.

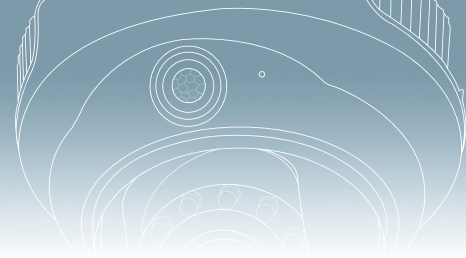
The **GGM CAMF28MH** supports high-performance H.264/MPEG-4/MJPEG compression technology and offers extra smooth video quality with up to 30 fps @ 1080p full HD. Furthermore, the **GGM CAMF28MH** boasts a number of innovative technologies, including Video Cropping and Activity Adaptive Streaming, giving user the utmost in bandwidth and storage efficiency.

To adapt to constantly changing lighting conditions, the **GGM CAMF28MH** comes with a removable IR-cut filter and built-in IR illuminators for both day and night applications. Its IP67-rated housing protects the camera body against rain and dust and ensures operation under extreme weather conditions. For complete installation and prevention of tampering and vandalism, the **GGM CAMF28MH** is also packaged with a mounting bracket that conceals all cabling.

With other advanced features such as tamper detection, 802.3af compliant PoE, Micro SD/SDHC card slot for on-board storage, plus full HD video quality, the **GGM CAMF28MH** is the best choice for the most demanding outdoor surveillance applications such as parking lots, entrances, communities, and much more.

PRODUCT FEATURES

- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- 3 ~ 9 mm Vari-focal, Auto-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in Micro SD/SDHC Card Slot for On-board Storage
- Mounting Bracket with Cable Management for Protected Installation



PRODUCT SPECIFICATION

SYSTEM		IMAGE SETTINGS		DIMENSION	
CPU	Multimedia SoC	Adjustable image size, quality and bit rate	Time stamp and text caption overlay	Camera	Ø 70 mm x 186 mm
Flash	128MB	Flip & mirror	Configurable brightness, contrast, saturation, sharpness, white balance and exposure	Cable length	520 mm
RAM	256MB	AGC, AWB, AES	WDR enhanced	Cable diameter	Ø 7.2 mm; Max width: Ø 14 mm
Embedded OS	Linux 2.6	Focus assist (Networking)	Automatic, manual or scheduled day/night mode	WEIGHT	
LENS		BLC (Backlight Compensation)	Supports privacy masks	Net	990 g
Board lens, vari-focal, f = 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-iris		AUDIO		LED INDICATOR	
Removable IR-cut filter for day & night function		Compression	GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps	System power and status indicator	
ANGLE OF VIEW		Interface	External microphone input	System activity and network link indicator	
Horizontal	38° ~ 103.7°	Supports two-way audio	Supports audio mute	POWER	
Vertical	21.4° ~ 71.2°	NETWORKING		12V DC	
SHUTTER TIME		10/100 Mbps Ethernet, RJ-45	Onvif support	24V AC	
1/5 sec. to 1/32,000 sec		Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X	Power consumption : Max. 9.6 W	
IMAGE SENSOR		ALARM AND EVENT MANAGEMENT		802.3af compliant Power-over-Ethernet (Class 3)	
1/2.7" CMOS sensor in 1920 x 1080 resolution		Triple-window video motion detection	Tamper detection	HOUSING	
MINIMUM ILLUMINATION		One D/I and one D/O for external sensor and alarm	Event notification using HTTP, SMTP or FTP	Weather-proof IP67-rated housing	
0.57 Lux / F1.2 @ 1/30s		Local recording of MP4 file		APPROVALS	
0.08 Lux / F1.2 @ 1/5s		ON-BOARD STORAGE		CE, LVD, FCC, VCCI, C-Tick, UL	
0 Lux / F1.2 (IR LED on)		Micro SD/SDHC card slot	Stores snapshots and video clips	OPERATING ENVIRONMENT	
IR ILLUMINATORS		SECURITY		Temperature	-20 °C ~ 50 °C (-4°F ~ 122 °F)
Built-in IR illuminators, effective up to 15 meters		Multi-level user access with password protection	IP address filtering	Humidity	90% RH
IR LEDx12		HTTPS encrypted data transmission	802.1X port-based authentication for network protection	VIEWING SYSTEM REQUIREMENT	
VIDEO		USERS		OS	Microsoft Windows 7/Vista/XP/2000
Compression	H.264, MJPEG & MPEG-4	Live viewing for up to 10 clients		Browser	Mozilla Firefox, Internet Explorer 6.x or above
Streaming	Multiple simultaneous streams			Cell phone	3GPP player
	H.264 streaming over UDP, TCP, HTTP or HTTPS			Real Player	10.5 or above
	MPEG-4 streaming over UDP, TCP, HTTP or HTTPS			Quick Time	6.5 or above
	H.264/MPEG-4 multicast streaming			INSTALLATION, MANAGEMENT AND MAINTENANCE	
	MJPEG streaming over HTTP or HTTPS			Mounting bracket with cable concealment	
	Supports activity adaptive streaming for dynamic frame rate control			RS-485 interface for scanners, pan/tilts	
	Supports video cropping for bandwidth saving			Installation Wizard 2	
	Supports ePTZ for data efficiency			32-CH ST7501 recording software	
	Supports 3GPP mobile surveillance			Supports firmware upgrade	
Frame rates	H.264 : Up to 25 fps at 1280x720			APPLICATION	
	Up to 25 fps at 1920x1080			SDK available for application development and system integration	
	MPEG-4 : Up to 25 fps at 1280x720			WARRANTY	
	Up to 27 fps at 1920x1080			24 months	
	MJPEG : Up to 25 fps at 1280x720				
	Up to 25 fps at 1920x1080				

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