

## FIXED DOME NETWORK CAMERA IP67 WDR GGM CAMF29MV2PH



**2MP**

CAMERA  
2 MEGAPIXELS

**IP67**

PROTECTION  
IP67



VANDAL  
PROOF



EN50155



POE ONLY

2 Megapixels

Protection IP67

Vandal proof

EN50155

PoE

WDR function

**GGM CAMF29MV2PH** is a series of compact, 2-Megapixel network cameras geared toward transportation applications, such as buses, trains and other moving vehicles. With full EN50155 compliance & IP67-rated design, the camera can withstand shock, vibration, humidity, dust and temperature fluctuations, maintaining stable and reliable video capturing during vehicle movement. Furthermore, the vandal-proof metal housing provides robust protection from vandalism. As such, the combination of high resolution imaging and protective housing endows the **GGM CAMF29MV2PH** with the rugged reliability required to maximize passenger safety and optimize mobile surveillance.

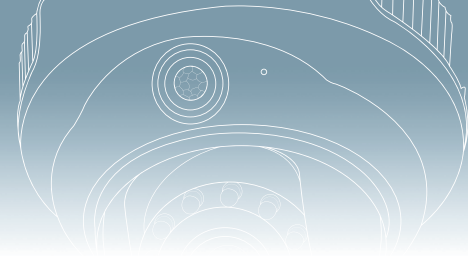
By utilizing high-definition 1920x1080 resolution, the **GGM CAMF29MV2PH** delivers extremely clear and detailed images, achieving accurate identification of people or objects with ease. With WDR enhancement, users are able to identify image details under extreme lighting conditions, dark or bright. Video footage of in-vehicle passenger activities or vehicle accidents captured with this camera can thus be used for post-event forensic evidence.

With the tamper detection feature, the **GGM CAMF29MV2PH** are truly robust and intelligent cameras that keep security staff notified once suffering video loss from being blocked or spray-painted. PoE (Power-over-Ethernet) also allows the **GGM CAMF29MV2PH** to be operated and powered with a single Ethernet cable, giving greater ease of installation.

In order to facilitate on-board storage and data portability, the camera is also complete with a MicroSD/SDHC card slot for local recording. With such a broad spectrum of advanced features, the **GGM CAMF29MV2PH** are the best choices for mobile surveillance.

### PRODUCT FEATURES

- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- Wide Angle Fixed Lens
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage



## PRODUCT SPECIFICATION

LENS	
	Board lens, Fixed, f = 2.8 mm, F2.0
FIELD OF VIEW	
Horizontal	110°
Vertical	81.5°
Diagonal	142°
SHUTTER TIME	
	1/5 sec. to 1/32,000 sec
IMAGE SENSOR	
	1/2.7" progressive scan CMOS sensor in 1920x1080 resolution
MINIMUM ILLUMINATION	
	0.2 Lux / F2.0
VIDEO	
Compression	H.264, MJPEG & MPEG-4
Streaming	Multiple simultaneous streams H.264 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 streaming over UDP, TCP, HTTP or HTTPS H.264/MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports activity adaptive streaming for dynamic frame rate control Supports video cropping for bandwidth saving Supports ePTZ for data efficiency Supports 3GPP mobile surveillance
Frame rates	H.264 : Up to 30 fps at 1920x1080 MPEG-4 : Up to 30 fps at 1920x1080 MJPEG : Up to 30 fps at 1920x1080
IMAGE SETTINGS	
	Adjustable image size, quality and bit rate Time stamp and text caption overlay Flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance and exposure AGC, AWB, AES WDR enhanced BLC (Backlight Compensation) Supports privacy masks

AUDIO	
Compression	GSM-AMR speech encoding, bit rate : 4.75 kbps to 12.2 kbps MPEG-4 AAC audio encoding, bit rate : 16 kbps to 128 kbps G.711 audio encoding, bit rate: 64 kbps, $\mu$ -Law or A-Law mode selectable
Interface	External microphone input Supports audio mute
NETWORKING	
	10/100 Mbps Ethernet, RJ-45 Onvif support
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
ALARM AND EVENT MANAGEMENT	
	Triple-window video motion detection Tamper detection One D/I for external sensor and alarm Event notification using HTTP, SMTP, or FTP Local recording of MP4 file
ON-BOARD STORAGE	
	MicroSD/SDHC card slot Stores snapshots and video clips
SECURITY	
	Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission 802.1X port-based authentication for network protection
USERS	
	Live viewing for up to 10 clients
DIMENSIONS	
	Ø 130 mm (D) x 107 mm (W) x 47 mm (H)
WEIGHT	
	450 g

LED INDICATOR	
	System restore status indicator
POWER	
	Power consumption max. 4.3 W Max. 7.5 W (with heater) 802.3af compliant Power-over-Ethernet (Class 3)
HOUSING	
	Vandal-proof IK10-rated metal housing Weather-proof IP67-rated housing
APPROVALS	
	CE, LVD, FCC, VCCI, C-Tick EN50155
OPERATING ENVIRONMENTS	
Temperature	-25°C ~ 50°C (-13°F ~ 122°F)
Humidity	90% RH
VIEWING SYSTEM REQUIREMENTS	
OS	Microsoft Windows 7/Vista/XP/2000
Browser	Mozilla Firefox, Internet Explorer 6.x or above
Cell phone	3GPP player
Real Player	10.5 or above
Quick Time	6.5 or above
INSTALLATION, MANAGEMENT, AND MAINTENANCE	
	Camera angle adjustment: Tilt 90° (0° ~ 90°) Installation Wizard 2 Supports firmware upgrade
APPLICATIONS	
	SDK available for application development and system integration
WARRANTY	
	24 months

### YOUR POINT OF CONTACT

