

**FIXED DOME NETWORK CAMERA - 2MP - TAMPER DETECTION - POE**  
GGM CAMF29MV2 & GGM CAMF29MV2P



<b>2MP</b> CAMERA 2 MEGAPIXELS	<b>VANDAL PROOF</b>	<b>SD SDHC</b> MICRO SD SDHC CARD	<b>EN50155</b>
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2 Megapixels

Vandal proof

Micro SD SDHC card

EN50155

PoE

**GIGAMEDIA GGM CAMF29MV2P** is a compact, 2 megapixel network camera transportation applications such as buses, trains, etc.

With full compliance, shock, vibration, humidity, and dust, maintaining stable and reliable video when a vehicle is in movement. Its IP67-rated metal housing effectively provides robust protection from demanding rain/dust-tight conditions.

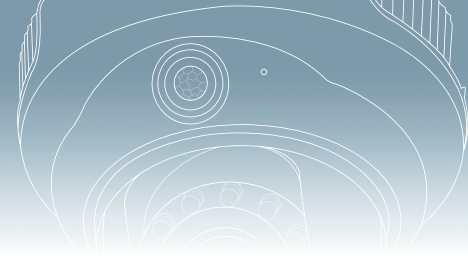
As such, the combination of high resolution imaging and protective housing endows the **GGM CAMF29MV2P** with first-rate identification capabilities and the rugged reliability to maximize passenger safety and optimize mobile surveillance. By utilizing high definition 1600x1200 resolution, the **GGM CAMF29MV2P** can deliver extremely clear and detailed images, achieving accurate identification of people or objects with ease. 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 CAMF29MV2P** becomes a truly robust and intelligent camera that keeps security staff notified once it suffers video loss from being blocked or spray-painted. PoE (Power-over-Ethernet) also allows the camera 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. **GIGAMEDIA GGM CAMF29MV2P** also offers a broad spectrum of advanced features, including QoS for optimized bandwidth efficiency, IPv6 for next generation networks, temperature alarm trigger, HTTPS encrypted data transmission, 802.1X authentication for secure network protection, and 32 channel central management software.

MODEL	DC SUPPLY	POE SUPPLY 802.3AF
<b>GGM CAMF29MV2</b>	Yes (Accessory GGM CAM12V)	No
<b>GGM CAMF29MV2P</b>	No	Yes

**PRODUCT FEATURES**

- 2 megapixel CMOS Sensor
- Wide Angle Fixed Lens
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Multiple Streams Simultaneously
- Tamper Detection for unauthorized Changes
- Temperature Alarm Trigger
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- HTTPS Encrypted Data Transmission
- 802.1X Port-based Authentication for Network Protection
- MicroSD/SDHC Card Slot for On-board Storage



## CARACTERISTICS

MODEL	
GGM CAMF29MV2 & GGM CAMF29MV2P	
SYSTEM	
CPU	Mozart 120 SoC
Flash	16MB
RAM	128MB + 128MB
Embedded OS	Linux 2.6
LENS	
Board lens f = 2.8 mm, F2.0, Fixed	
ANGLE OF VIEW	
Horizontal	98°
Vertical	73°
Diagonal	122°
SHUTTER TIME	
1/5 sec à 1/40 000 sec	
IMAGE SENSOR	
1/3.2" CMOS sensor in 1600x1200 resolution	
MINIMUM ILLUMINATION	
0.6 Lux / F2.0	
VIDEO	
Compression	MJPEG et MPEG-4
Streaming	Simultaneous multiple streams MPEG-4 streaming over UDP, TCP, HTTP, or HTTPS 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
FRAMES RATES	
MPEG-4: Up to 30 fps at 800x600 Up to 10 fps at 1600x1200 MJPEG: Up to 30 fps at 800x600 UP to 15 fps at 1600x1200	

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 BLC (Backlight Compensation) Supports privacy masks	
NETWORKING	
10/100 Mbps Ethernet	
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 Temperature alarm trigger 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 115 mm x 47 mm	
WEIGHT	
360 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	
HOUSING	
Metal housing for vandal protection Weather-proof IP67-rated housing	
APPROVALS	
CE, LVD, FCC, VCCI, C-Tick EN50155	
OPERATING ENVIRONMENTS	
Operating temperature : -25 ~ 50 °C (-13 ~ 122 °F) Extended temperature in according of EN50155 T1 : -25 ~ 70 °C Humidity 90% RH	
VIEWING SYSTEM REQUIREMENTS	
OS	Microsoft Windows 2000/XP/Vista
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 : pan ±10° and tilt 90° (0° ~ 90°) Rugged M12 or RJ45 connector Installation Wizard 2 32-CH central management software Supports firmware upgrade	
APPLICATIONS	
SDK available for application development and system integration	
COMPATIBILITY	
Full compatible with GGM NVRxx Full compatible with GGM SOFTIPxx	
WARRANTY	
24 months	

### ON-BOARD STORAGE



MicroSD/SDHC Card Slot