

FISHEYE NETWORK CAMERA
GGM CAMF360M



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|--|--------------------------------------|---|--------------------------------------|---------------------------------|-------------------|
| HD RESOLUTION 2048 X 1536 | 360° ANGLE OF VIEW 360° | DAY / NIGHT FUNCTION DAY / NIGHT | IP66 WEATHER-PROOF IP66 | ePTZ FUNCTION ePTZ | POE POE |
|--|--------------------------------------|---|--------------------------------------|---------------------------------|-------------------|

- 3-Megapixel CMOS Sensor
- 360° Sunround View
- Triple codec H264, MPEG-4 & MJPEG
- Day / Night function
- Vandal-proof IP66
- ePTZ
- PoE

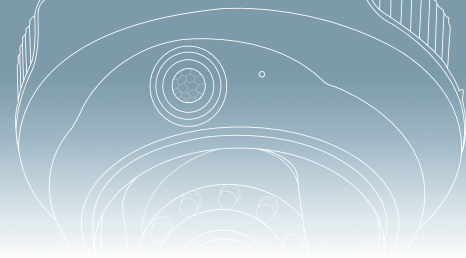
GGM CAMF360M is the first fisheye fixed dome network camera, featuring detailed 3-Megapixel resolution with superb image quality. Equipped with a fisheye lens for 180° panoramic view (wall mount) or 360° surround view (ceiling/floor/table mount) without blind spots, this camera is able to provide an 8X wider field of view than a standard VGA camera, significantly reducing the need for multiple camera installations. It is extremely suitable for monitoring open areas such as airports, shopping malls, parking lots, retail stores, offices, and much more.

The **GGM CAMF360M** offers more than seven display layouts, including original surround view, panoramic views, and regional views for various mounting applications. With the latest cutting-edge image processing, hemispherical images captured from the fisheye camera can be converted into conventional rectilinear projection for viewing and analysis. In addition, in the panoramic and regional viewing modes, users can utilize the ultra-smooth ePTZ function to easily zoom in and focus on a region of interest (ROI).

The **GGM CAMF360M** features a removable IR-cut filter, maintaining clear images 24 hours a day. Its IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions. Additionally, the vandal-proof IK10-rated housing effectively provides robust protection from vandalism. Together with 802.3af compliant PoE, microSD/SDHC card slot for on-board storage, EN50155 mobile surveillance, and iPad applications, the **GGM CAMF360M** is indisputably the top choice for constructing a robust surveillance system with the greatest coverage possible.

PRODUCT FEATURES

- 3-Megapixel CMOS Sensor
- 1.27 mm Fisheye Lens for 180° panoramic view or 360° surround view
- Removable IR-cut Filter for Day and Night Function
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Video Cropping for Bandwidth Savings
- ePTZ for Data Efficiency
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



PRODUCT SPECIFICATION

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|-----------------------------|---|-----------------------------------|---|---|---|
| SYSTEM | | AUDIO | | POWER | |
| CPU | TI DM368 SoC | 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, μ -Law or A-Law mode selectable | | 12V DC 802.3af compliant Power-over-Ethernet |
| Flash | 128MB | | | HOUSING | |
| RAM | 256MB | Interface | External microphone input Audio output Supports two-way audio Supports audio mute | | Vandal-proof IK10-rated metal housing Weather-proof IP66-rated housing |
| Embedded OS | Linux 2.6 | | | APPROVALS | |
| LENS | | | | CE, LVD, FCC, VCCI, C-Tick EN50155 | |
| | Board lens, Fixed, f = 1.27mm, F2.8 Removable IR-cut filter for day & night | NETWORKING | | OPERATING ENVIRONMENT | |
| ANGLE OF VIEW | | | 10/100 Mbps Ethernet, RJ-45 Onvif support | Temperature | -25°C ~ 50°C (13 ~ 122°C) |
| Vertical | 180° | 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 | Humidity | 90% RH |
| Horizontal | 180° | ALARM AND EVENT MANAGEMENT | | VIEWING SYSTEM REQUIREMENT | |
| SHUTTER TIME | | | Quintuple window video motion detection Tamper detection One D/I and one D/O for external sensor and alarm Event notification using HTTP, SMTP or FTP Local recording of MP4 file | OS | Microsoft Windows 7/Vista/XP/2000 |
| | 1/5 sec. to 1/32,000 sec. | ON-BOARD STORAGE | | Browser | Mozilla Firefox, Internet Explorer 7.x or above |
| IMAGE SENSOR | | | MicroSD/SDHC/SDXC card slot Stores snapshots and video clips | Cell phone | 3GPP player |
| | 1/2" CMOS Sensor in 2048x1536 resolution | SECURITY | | Real Player | 10.5 or above |
| MINIMUM ILLUMINATION | | | Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission 802.1X port-based authentication for network protection | Quick Time | 6.5 or above |
| | 1.0 Lux @ F2.8 | USERS | | INSTALLATION, MANAGEMENT AND MAINTENANCE | |
| VIDEO | | | Live viewing for up to 10 clients | Installation Wizard 2 32-CH ST7501 recording software Supports firmware upgrade | |
| Compression | H.264, MJPEG & MPEG-4 | DIMENSIONS | | APPLICATION | |
| 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 3GPP mobile surveillance | Camera | \varnothing 145 mm (D) x 52 mm (H) | SDK available for application development and system integration | |
| Frame rates | H.264 : Up to 15 fps at 1536x1536 Up to 12 fps at 2048x1536 MPEG-4 : Up to 15 fps at 1536x1536 MJPEG : Up to 15 fps at 1536x1536 Up to 12 fps at 2048x1536 | Cable length | 630 mm | WARRANTY | |
| IMAGE SETTINGS | | Cable diameter | \varnothing 7 mm | 24 months | |
| | 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 Automatic, manual or scheduled day/night mode BLC (Backlight Compensation) Supports privacy masks | Max width | \varnothing 18 mm | | |

Your point of contact

