



FIXED NETWORK CAMERA GGM CAMF32M & GGM CAMF32MP



RESOLUTION
1920 X 1080



CAMERA
2-MEGAPIXEL



POE



FUNCTION
WDR



FUNCTION
DAY / NIGHT

2-Megapixel
(Full HD)

ONVIF support

Day / Night function

PoE 802.3af

Triple codec
(H264, MPEG-4 et MJPEG)

Focus assist

WDR Enhanced

GGM CAMF32M & GGM CAMF32MP are part of the SUPREME series product line offering 1080p HD resolution with superb image quality. The camera can capture a more comprehensive view than a standard VGA camera, significantly reducing the number of cameras required. It is especially suitable for monitoring wide open spaces such as building entrances, airports, or applications requiring accurate identification.

The **GGM CAMF32M & GGM CAMF32MP** employ many advanced features to allow users to fully enjoy the high definition video. With high performance H.264/MPEG-4/MJPEG compression technology, the camera offers high-quality video in full HD @ 30fps with a minimum of bandwidth consumption. The Video Cropping feature allows a user to only transfer user-defined regions for viewing instead of an entire scene, which can also be used to optimize bandwidth and enhance storage efficiency. The ePTZ function enables users to zoom in and focus on a region of interest in the camera view with only a few clicks, providing an additional level of image enhancement.

Additional value-added functions that give users more flexibility and efficiency of use include WDR Enhancement, which allows users to identify image details in extremely bright and dark environments. The Focus Assist button can aid an installer to precisely adjust the camera. When pressing the Focus Assist button on the camera unit, an indicator will be displayed on screen with detailed focusing information, which will vary in accordance with the manual adjustment. Moreover, holding down the button will zoom in on the target area for fine tuning, resulting in better usability and picture clarity. The IP8162P model comes with an advanced P-Iris lens, which controls the iris opening with extreme precision at an optimal level at all times via the built-in stepper motor, resulting in superior sharpness and depth of field as well as image quality.

MAIN FEATURES

- 3.1 ~ 8 mm Vari-focal, Auto-iris Lens (**CAMF32M**) and 3.1 ~ 8 mm Vari-focal, P-iris Lens (**CAMF32MP**)
- Up to 30 fps @ 1080p Full HD
- Removable IR-cut Filter for Day and Night Function
- Built-in Focus Assist Button for Precise Focus Adjustment
- Supports WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Savings
- ePTZ for Data Efficiency
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Built-in 802.3af Compliant PoE



PRODUCT SPECIFICATIONS

SYSTEM

CPU	TI DM368 SoC
Flash	128MB
RAM	256MB
Embedded OS	Linux 2.6

LENS

GGM CAMF32	CS-mount, vari-focal, f = 3.1 ~ 8 mm, F1.2, auto iris
GGM CAMF32P	CS-mount, vari-focal, f = 3.1 ~ 8 mm, F1.2, P-iris Removable IR-cut filter for day & night

ANGLE OF VIEW

Horizontal	42.2°~105.4°
Vertical	23.8°~57.9°
Diagonal	48.3°~123.1°

SHUTTER TIME

1/5 sec. to 1/32,000 sec.

IMAGE SENSOR

1/2.7" CMOS sensor in 1920 x 1080 resolution

MINIMUM ILLUMINATION

0.06 Lux / F1.2 (Color)
0.001 Lux / F1.2 (B/W)

VIDEO

Compression	H.264, MJPEG & MPEG-4
Streaming	Simultaneous multiple 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 1280x720 Up to 30 fps at 1920x1080 MPEG-4 : Up to 30 fps at 1280x720 Up to 27 fps at 1920x1080 MJPEG : Up to 30 fps at 1280x720 Up to 30 fps at 1920x1080
Interface	BNC connector for video output NTSC/PAL video output switch Focus assist button

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
Automatic, manual or scheduled day/night mode
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, μ -Law, or A-Law mode selectable
Interface	Built-in microphone External microphone input Audio output External/Internal microphone switch Supports two-way audio 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 and one D/O for external sensor and alarm
Event notification using HTTP, SMTP or FTP
Local recording of MP4 file

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

DIMENSION

154 mm (D) x 72 mm (W) x 62 mm (H)
(Without lens)

WEIGHT

Net 674 g (Without lens)

LED INDICATOR

System power and status indicator
System activity and network link indicator

POWER

12V DC
24V AC
Power consumption : Max. 4.92W
802.3af compliant Power-over-Ethernet (Class 3)

APPROVALS

CE, LVD, FCC, VCCI, C-Tick, UL

OPERATING ENVIRONMENT

Temperature -10 ~ 50 °C (14 ~ 122 °F)
Humidity 90% RH

VIEWING SYSTEM REQUIREMENT

OS	Microsoft Windows 7/Vista/XP/2000
Browser	Mozilla Firefox, Internet Explorer6.x or above
Cell phone	3GPP player
Real Player	10.5 or above
Quick Time	6.5 or above

INSTALLATION MANAGEMENT AND MAINTENANCE

Installation Wizard 2
Supports firmware upgrade

APPLICATIONS

SDK available for application development and system integration

WARRANTY

24 months

YOUR POINT OF CONTACT