



## FIXED NETWORK IP CAMERA HOME SECURITY GGM CAMW09



CMOS

1/4" CMOS  
SENSOR

HD

RESOLUTION  
1280 X 800

1/4" CMOS sensor

1280 x 800 resolution (1MP)

Triple codec  
H264, MPEG-4 & MJPEG

**GGM CAMW09** is an easy-to-use network camera specifically designed for home security applications with a compact, stylish exterior. Equipped with a 1MP sensor enabling viewing resolution of 1280x800 at 30 fps, users need look no further for an all-in-one camera capable of capturing high quality, high resolution video.

Embedded with the "Mozort" SoC, the camera supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility also included, video streams can also be transmitted in any of these formats for versatile applications. The streams can also be individually configured to meet different constraints, thereby further reducing bandwidth and storage requirements. Users can thus receive multiple streams simultaneously in different resolutions, frame rates, and image qualities for viewing on different platforms.

With this network camera, a user can quickly and easily view children, the elderly, or even pets with live, clear videos while away from home. The **GGM CAMW09** also includes tamper detection, MicroSD/SDHC card slot, and GIGAMEDIA's 32-channel recording software. With all this and more, the **GGM CAMW09** is the ideal solution for your surveillance needs.

### PRODUCT FEATURES

- Compact and Attractive ID design
- 1/4" CMOS Sensor in 1280 X 800 Resolution
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Simultaneous Multiple Streams
- Activity Adaptive Streaming for Dynamic Frame Rate Control
- Privacy Button to Pause Monitoring
- Built-in PIR Sensor for Human Detection
- Built-in White-light Illuminators
- Built-in 802.11b/g/n WLAN
- Wi-Fi Protected Setup (WPS) for Easy and Secure Wireless Network Connections
- Built-in Microphone and Speaker for Two-way Audio
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



## PRODUCT SPECIFICATION

### SYSTEM

CPU	Mozart 365 SoC
Flash	16MB
RAM	128MB
Embedded OS	Linux 2.6

### LENS

Board lens, Fixed, f = 3.29 mm, F2.4

### ANGLE OF VIEW

Horizontal	60°
Vertical	39.7°
Diagonal	68.3°

### IMAGE SENSOR

1/4" CMOS sensor in 1280x800 resolution

### MINIMUM ILLUMINATION

3 Lux / F2.4

### 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 MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports activity adaptive streaming for dynamic frame rate control Supports 3GPP mobile surveillance
Frame rates	H.264 : Up to 30 fps at 1280x800 MPEG-4 : Up to 23 fps at 1280x800 MJPEG : Up to 30 fps at 1280x800

### 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

### AUDIO

Compression	G.711 audio encoding, bit rate: 64 kbps, $\mu$ -Law or A-Law mode selectable G.726 audio encoding, bit rate : TBD kbps
Interface	Built-in microphone Built-in speaker Supports two-way audio via SIP protocol Supports audio mute

### NETWORKING

	10/100 Mbps Ethernet, RJ-45 Built-in 802.11b/g/n WLAN Onvif support
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, and SNMP

### ALARM AND EVENT MANAGEMENT

Triple-window video motion detection  
Tamper detection  
One D/I and one D/O for external sensor and alarm  
PIR (Passive Infrared Sensor) for human detection  
White-light illuminators for low light condition when event triggered  
Event notification using HTTP, SMTP or FTP  
Local recording of MP4 file

### SECURITY

Multi-level user access with password protection  
IP address filtering  
Wireless : WEP, WPA-PSK, WPA2  
WPS - Wi-Fi Protected Setup  
HTTPS encrypted data transmission

### USERS

Live viewing for up to 10 clients

### DIMENSIONS

32 mm (D) x 79 mm (W) x 80 mm (H)

### WEIGHT

Net 180 g

### LED INDICATOR

System power and status indicator  
System activity and network link indicator  
Privacy button on

### POWER

5V DC

### APPROVALS

CE, LVD, FCC, VCCI, C-Tick

### OPERATING ENVIRONMENT

Temperature	0 ~ 40 °C (32 ~ 104 °F)
Humidity	90% RH

### VIEWING SYSTEM REQUIREMENT

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

Installation Wizard 2  
32-CH ST7501 recording software  
Supports firmware upgrade

### APPLICATION

SDK available for application development and system integration

### WARRANTY

24 months

### YOUR POINT OF CONTACT