

## 4-CH VIDEO SERVER GGM CAMS04



4-CH

D1

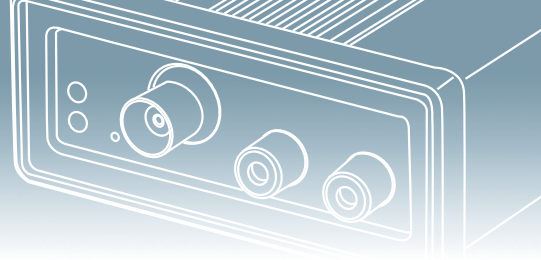
Rack Mount Design

**GGM CAMS04**, the new milestone in video server security performing 8-CH high resolution with high frame rate in H.264, are able to convert analog video into digital video with the highest quality. The H.264 compression format drastically reduces the file sizes and conserves valuable bandwidth and storage space. The **GGM CAMS04** supports single stream to be transmitted in H.264, MPEG-4 and MJPEG formats for versatile applications. The stream can also be individually configured with frame rates, resolution, and image quality so as to meet different platforms or bandwidth constraints.

Featured with intelligent video functions, such as motion detection & temper detection, the **GGM CAMS04** are capable of upgrading analog cameras into intelligent cameras. The tamper detection feature can detect events such as blockage, redirection, defocus, and spray-painting of camera lens, making it an intelligent solution to possible camera obstruction. Furthermore, the video server also upgrades the security level of the IP surveillance system with the network security protocols, HTTPS and 802.1x. It is also designed with Giga LAN for large transmission need and DC 12V/AC 24V compatible power input design. These features make **GGM CAMS04** easy to install and integrate with the existing analog system.

### MAIN FEATURES

- Up to 25 fps in D1 Resolution
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- 4-CH Video and Audio In
- Two-way Audio
- RS-485 Interface for PTZ Camera Control
- 4 Digital I/O for External Sensor and Alarm
- Built-in SD/SDHC Card Slot for On-board Storage
- DC 12V/AC 24V Compatible Power Input
- Professional Rack Mount Design
- Supports Gigabit Ethernet Data Transmission



## PRODUCT SPECIFICATIONS

### SYSTEM

CPU	Mozart 380 SoC
Flash	32MB
RAM	512MB
Embedded OS	Linux 2.6

### CAMERA CONTROL

PTZ camera control through RS-485  
Supported devices and protocols : DynaDome/  
SmartDome, Pelco D, LiLin, Pelco P, Samsung  
sc643 and customized types  
Supports CGI command serial driver

### VIDEO

Compression	H.264/MJPEG/MPEG-4
Streaming	Dual 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
Frame rates	H.264 : Up to 25 fps @ 720x576 (PAL) per channel Up to 180 fps at D1 in total MPEG-4 : Up to 25 fps @ 720x576 (PAL) per channel Up to 80 fps at D1 in total MJPEG : Up to 25 fps @ 720x576 (PAL) per channel Up to 240 fps at D1 in total

### IMAGE SETTINGS

Adjustable image size, quality and bit rate  
Time stamp and text caption overlay  
Flip & mirror  
Configurable brightness, contrast, saturation, sharpness  
Supports privacy masks

### AUDIO

Compression	G.711 audio encoding, bit rate : 64 kbps, $\mu$ -Law, or A-Law mode selectable
Interface	Audio input, up to 1Vrms, 3.5 mm Phone Jack Audio output, Terminal block x 4 Supports two-way audio (Per channel) Supports audio mute

### NETWORKING

	10/100/1000 Mbps Gigabit Ethernet, RJ-45 Onvif support
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/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  
Four D/I and four 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

### DIMENSIONS

189 mm (L) x 153 mm (W) x 49.3 mm (H)

### WEIGHT

Net	800 g
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### LED INDICATOR

System power and status indicator  
System activity and network link indicator  
Local storage activity indicator

### POWER

Power input	DC 12V/AC 24V Power consumption : Max. 24 W
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### APPROVALS

CE, LVD, FCC, VCCI, C-Tick

### OPERATING ENVIRONMENTS

Temperature	10°C ~ 50 °C
Humidity	20 ~ 80% RH

### VIEWING SYSTEM REQUIREMENTS

OS	Microsoft Windows 2000/XP/Vista/Win7
Browser	Internet Explorer 6 or above
Cell phone	3GPP player
Real Player	10.5 or above
Quick Time	6.5 or above

### INSTALLATION, MANAGEMENT, AND MAINTENANCE

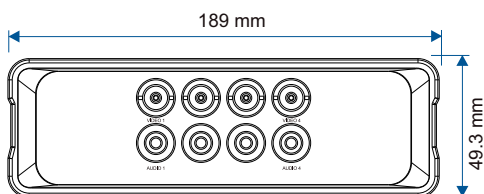
Installation Wizard 2  
Supports firmware upgrade

### APPLICATIONS

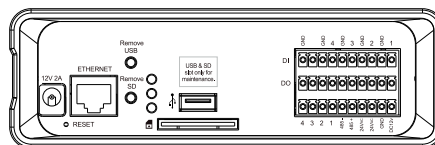
SDK available for application development and system integration

### WARRANTY

24 months



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Back

## PART NUMBER

P/N	DESCRIPTION
GGM CAMS04	4-CH Video Server
GGM CAMS08	8-CH Video Server

## YOUR POINT OF CONTACT

