

1-CH VIDEO SERVER GGM CAMS07



D1

RESOLUTION
720 X 576



POE



D1 resolution (720 x 576)

PoE compliant

RS485 interface for
PTZ camera

GGM CAMS07 is a professional H.264 1-CH video server that helps you migrate from analog to digital surveillance system with ease. With the high-performance H.264 compression format, it drastically reduces the file sizes and conserves valuable bandwidth and storage space.

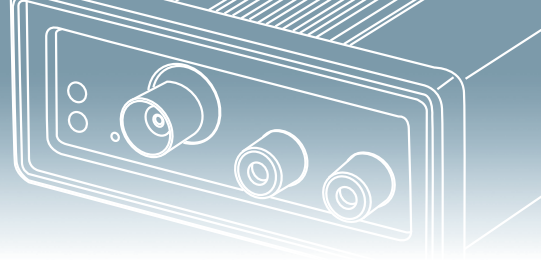
Supporting simultaneous multiple streams, the video streams to be transmitted in either of H.264, MPEG-4 or MJPEG formats for versatile applications. The streams can also be individually configured with separate frame rates, resolution, and image quality so as to meet different platforms or bandwidth constraints.

With built-in intelligent video functions, such as motion detection & tempering detection, **GGM CAMS07** is capable of upgrading an analog camera into an intelligent camera. The tamper detection function 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 network security protocols, HTTPS and 802.1x, also upgrades the security level of the IP surveillance system.

There are several power management designs built in the **GGM CAMS07**, such as PoE (Power over Ethernet), DC 12V output for analog cameras, and AC 24V compatible design. These features make the **GGM CAMS07** easy to install and integrate with the existing analog system. The built-in SD/SDHC card slot offers a convenient and portable storage option to prevent data loss in case of network disconnection.

MAIN FEATURES

- Up to 25 fps in D1 Resolution
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- Dual Simultaneous Streams
- Two-way Audio
- RS-485 Interface for PTZ Camera Control
- DC 12V Output for Analog Cameras
- DC 12V / AC 24V Compatible Power Input
- Built-in 802.3af Compliant PoE
- Built-in SD/SDHC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



PRODUCT SPECIFICATIONS

SYSTEM

CPU	TI DM365 SoC
Flash	128MB
RAM	128MB
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 scc643 and customized
Supports CGI command serial driver

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 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	MPEG-4: Up to 25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL) H.264: Up to 25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL) MJPEG: Up to 25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL)

IMAGE SETTINGS

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

AUDIO

Compression	GSM-AMR speech compression, bit rate: 4.75 kbps ~ 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps ~ 128 kbps G.711 audio encoding, bit rate: 64 kbps, μ -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

	10/100Mbps 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

DIMENSIONS

130 (D) x 78.35 (W) x 33.85mm (H)

WEIGHT

Net	242g
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LED INDICATOR

System power and status indicator
System activity and network link indicator

POWER

Power input	12V DC / 24V AC
Power output	12V DC (Max. 350mA) Power consumption: Max. 5 W 802.3af compliant Power-over-Ethernet

APPROVALS

CE, LVD, FCC, VCCI, C-Tick

OPERATING ENVIRONMENTS

Temperature	0°C ~ 55°C (32°F ~ 131°F)
Humidity	20 ~ 80% RH

VIEWING SYSTEM REQUIREMENTS

OS	Microsoft Windows 7/Vista/XP/2000
Browser	Mozilla Firefox, 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

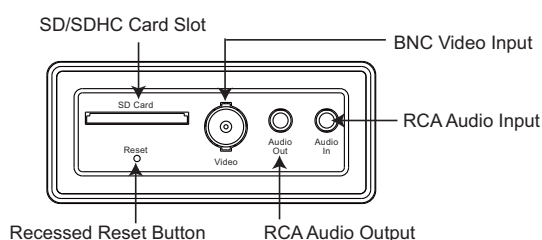
SDK available for application development and system integration

WARRANTY

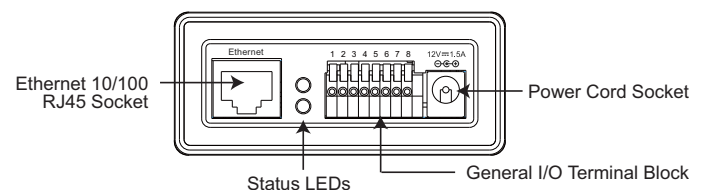
24 months

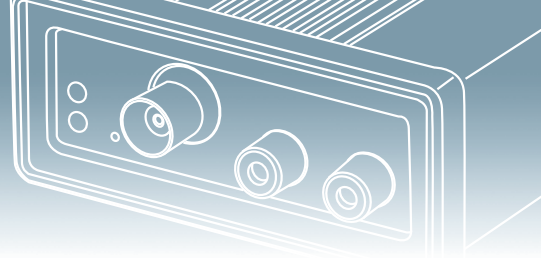
PHYSICAL DESCRIPTION

FRONT PANEL



BACK PANEL



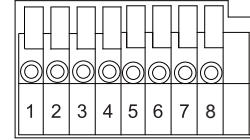


GENERAL I/O TERMINAL BLOCK

This video server provides a general I/O terminal block which is used to connect external input / output devices. The pin definitions are described below.

PIN	NAME
1	Power +12V
2	Digital output
3	Digital input
4	Ground

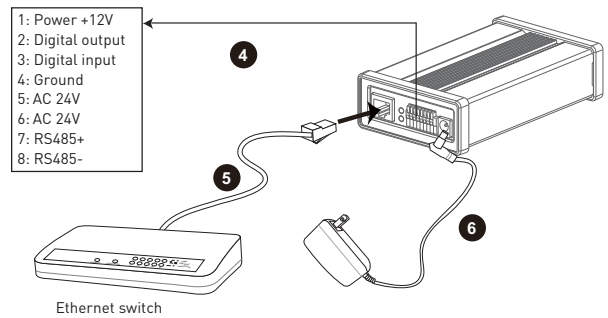
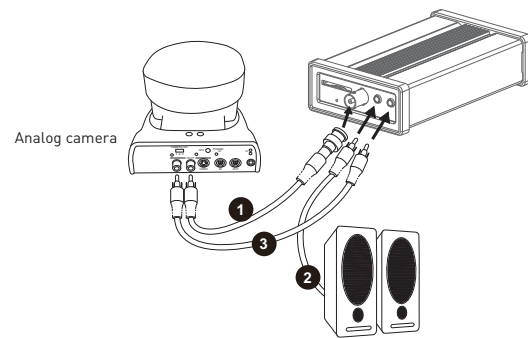
PIN	NAME
5	AC 24V input
6	AC 24V input
7	RS-485 +
8	RS-485 -



NETWORK DEPLOYMENT

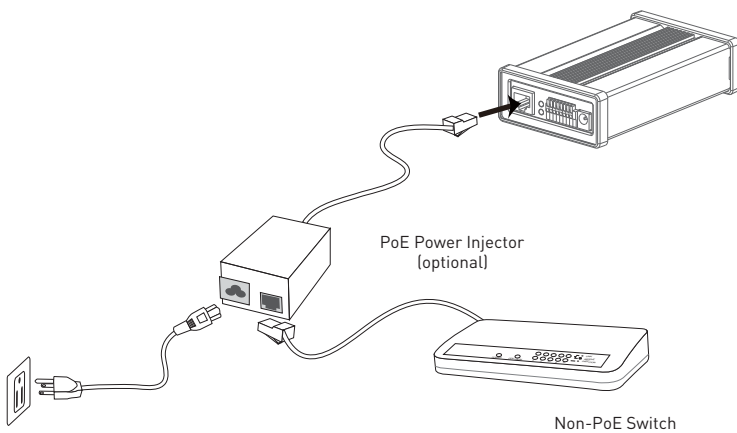
1. Make video connection from the camera to the BNC video input.
2. Make audio connection from the Line-Out audio source to the RCA audio input.
3. Make audio connection from RCA audio output to the speaker.
4. If you have external devices such as sensors and alarms, connect them to the general I/O terminal block.
5. Connect the video server to a switch via Ethernet cable.
6. Connect the power cable from the video server to a power outlet.

There are several ways to set up the video server over the Internet. The first way is to set up the video server behind a router. The second way is to utilize a static IP. The third way is to use PPPoE.



WHEN USING A NON-POE SWITCH

If your switch/router does not support PoE, use a PoE power injector (optional) to connect between the video server and a non-PoE switch.



YOUR POINT OF CONTACT

