

IP CAMERA H264 WITH 10X OPTICAL ZOOM GGM CAMP13VH



Optical zoom 10x

802.3af compliant (PoE)

CCD sensor

Triple codec
MPEG-4 / MJPEG & H264

704 x 576 resolution
(4CIF) at 25 ips

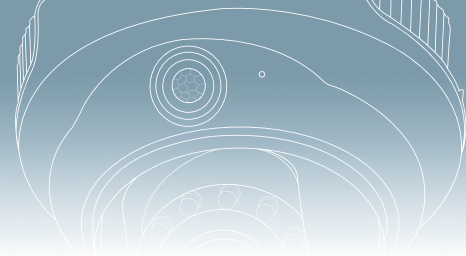
The **GGM CAMP13VH** is a high-performance network camera featuring 10x optical zoom and pan/tilt functionality. The camera is designed for indoor surveillance applications such as retail stores, offices or banks.

The built-in 10x motorized optical zoom module provides greater depth of field when zoomed in. Therefore, it can display clear-cut images on near or distant objects. With flexible 300-degree pan and 135-degree tilt, The **GGM CAMP13VH** can give users more comprehensive control over the monitored site. The **GGM CAMP13VH** is incorporated with GIGAMEDIA's self-developed Bach SoC, giving users the advantages of dual-codec (MPEG-4 and MJPEG), dual streams and twoway audio by SIP protocol. With support of dual streams, it simultaneously delivers dual video streams with different resolutions, frame size and image quality to different platforms such as web browser or 3G cell phones.

In addition, **GGM CAMP13VH** is integrated with Power over Ethernet function while **GGM CAMP13VH** with wireless connection, making installation easier and more cost-efficient.

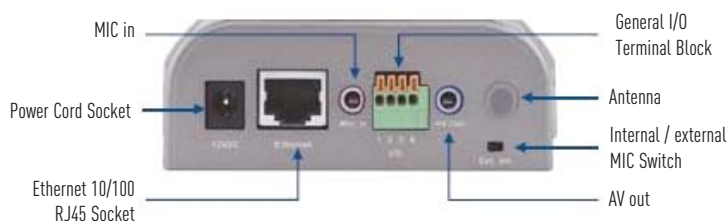
PRODUCT FEATURES

- 10x Optical Zoom Lens
- Motorized Pan/Tilt (Pan: -150° ~ +150°; Tilt: -45° ~ +90°)
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Multiple Simultaneous Streams
- 3GPP Mobile Surveillance
- Built-in 802.3af Compliant PoE
- Two-way Audio
- Built-in/External Microphone Switch



PRODUCT SPECIFICATION

| | | | | | |
|-----------------------------|---|---|--|--|-------|
| SYSTEM | | IMAGE SETTINGS | | WEIGHT | |
| CPU | Multimedia SoC | Adjustable image size, quality, and bit rate | | Net | 391 g |
| Flash | 128MB | Time stamp and text caption overlay | | LED INDICATOR | |
| RAM | 128MB | Flip & mirror | | System power and status indicator | |
| Embedded OS | Linux 2.6 | Configurable brightness, contrast, saturation, sharpness and white balance | | System activity and network link indicator | |
| PAN TILT ZOOM | | AGC, AWB, AES | | POWER | |
| Pan range | 300° (-150° ~ +150°) | BLC (Backlight Compensation) | | 12V DC | |
| Tilt range | 135° (-45° ~ +90°) | Supports privacy masks | | Power consumption : 12W | |
| | 10x optical zoom, 10x digital zoom | AUDIO | | 802.3af compliant Power-over-Ethernet (Class 3) | |
| | Auto pan mode | Compression | | APPROVALS | |
| | Manual patrol mode (128 preselected positions) | GSM-AMR speech encoding, bit rate 4.75kbps to 12.2 kbps | | CE, LVD, FCC, VCCI, C-Tick | |
| LENS | | MPEG-4 AAC audio encoding, bit rate 16 kbps to 128 kbps | | OPERATING ENVIRONMENT | |
| | 10x optical zoom lens, f=4.2 ~ 42 mm, F1.8 (wide), F2.9 (tele), auto iris, auto focus | Interface | | Temperature 0 ~ 50 °C (32 ~ 122 °F) | |
| ANGLE OF VIEW | | Built-in microphone | | Humidity 20% ~ 80% RH | |
| Horizontal | 4.15° ~ 48.93° | External microphone input | | VIEWING SYSTEM REQUIREMENT | |
| Vertical | 2.77° ~ 33.75° | Audio output | | OS Microsoft Windows 2000/XP/Vista | |
| SHUTTER TIME | | External/Internal microphone switch | | Browser Mozilla Firefox, Internet Explorer 6.x or above | |
| | 1/50 sec. to 1/10000 sec. | Supports two-way audio via SIP protocol | | Cell phone 3GPP player | |
| MINIMUM ILLUMINATION | | Supports audio mute | | Real Player 10.5 or above | |
| | 2.76 Lux @ F1.8 (typical) | NETWORKING | | Quick Time 6.5 or above | |
| | 0.05 Lux @ F1.8 (low light mode) | 10/100 Mbps Ethernet, RJ-45 | | INSTALLATION, MANAGEMENT AND MAINTENANCE | |
| VIDEO | | Protocols | | Installation Wizard 2 | |
| Compression | H.264, MJPEG & MPEG-4 | IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, | | Supports firmware upgrade | |
| Streaming | Multiple simultaneous streams | RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X | | APPLICATION | |
| | H.264 streaming over UDP, TCP, HTTP or HTTPS | ALARM AND EVENT MANAGEMENT | | SDK available for application development and system integration | |
| | MPEG-4 streaming over UDP, TCP, HTTP or HTTPS | Triple-window video for motion detection | | WARRANTY | |
| | H.264/MPEG-4 multicast streaming | One D/I and one D/O for external sensor and alarm | | 24 months | |
| | MJPEG streaming over HTTP or HTTPS | Event notification using HTTP, SMTP, or FTP | | | |
| | Supports activity adaptive streaming for dynamic frame rate control | Local recording of MP4 files | | | |
| | Supports 3GPP mobile surveillance | SECURITY | | | |
| Frame rates | H.264: Up to 30/25 fps at 720x480/720x576 | Multi-level user access with password protection | | | |
| | MPEG-4: Up to 30/25 fps at 720x480/720x576 | IP address filtering | | | |
| | MJPEG: Up to 30/25 fps at 720x480/720x576 | HTTPS encrypted data transmission | | | |
| Interface | AV output | USERS | | | |
| | | Camera live viewing for up to 10 clients | | | |
| DIMENSIONS | | DIMENSIONS | | | |
| | | Ø 105 mm x 124 mm | | | |



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