

MINI-BOX NETWORK CAMERA GGM CAMF03M



3-Megapixel CMOS sensor

Triple codecs
H264, MPEG4 & MJPEG

WDR Pro

Day & Night function

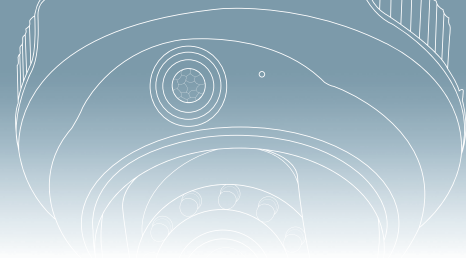
Compact size

GGM CAMF03M network camera features a 3-Megapixel WDR CMOS sensor to cope with challenging lighting conditions. The WDR feature allows the camera to capture both the dark and bright parts of an image and combine the differences to generate a highly realistic image representative of the original scene, enabling it to provide video quality close to the capabilities of the human eyes. The **GGM CAMF03M** can be widely applied in high contrast environments such as lobby entrances and more. The P-iris lens controls the iris with extreme precision; with its built-in stepper motor, it maintains the iris opening at an optimal level at all times, resulting in superior image clarity and depth of field as well as image quality.

The **GGM CAMF03M** features a mini-box camera design concept with a compact size to fit into different types of enclosures. With the capability to fit to a CS-mount lens, it provides flexible monitoring in all types of environments. With all of these features mentioned above, the camera is the best choice for retail, government, industrial, hotel security and city surveillance.

PRODUCT FEATURES

- 3-Megapixel CMOS sensor
- 20 fps @ 2048x1536 ; 25 fps @ 1920x1080
- Vari-focal (f = 2.8 ~ 8 mm), P-iris lens
- Real-time H.264, MPEG-4 and MJPEG compression (triple codec)
- WDR Pro for unparalleled visibility in high contrast environments
- Two-way audio
- Removable IR-cut filter for day and night function
- Built-in IEEE 802.3af compliant PoE
- Built-in MicroSD/SDHC/SDXC card slot for on-board storage
- Compact design



PRODUCT SPECIFICATION

SYSTEM INFORMATION

CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB

CAMERA FEATURES

Image Sensor	1/3" Progressive CMOS
Max. Resolution	2048x1536
Lens Type	Vari-focal
Focal Length	f = 2.8 ~ 8 mm
Aperture	F1.2 (wide) ~ F1.95 (tele)
Auto-iris	P-iris
Field of View	46° ~ 94° (horizontal) 35° ~ 70° (vertical) 58° ~ 113° (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/night	Removable IR-cut filter for day & night function
Min. Illumination	0.18 lx @ F1.2, 50 IRE (Color) 0.001 lx @ F1.2, 50 IRE (B/W)
Pan/tilt/zoom	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)
On-board Storage	MicroSD/SDHC/SDXC card slot

VIDEO

Compression	H.264, MJPEG & MPEG-4
Max. Frame Rate	H.264: 20 fps at 2048x1536 25 fps at 1920x1080 MPEG-4: 20 fps at 1920x1536 25 fps at 1920x1080 MJPEG: 20 fps at 2048x1536 25 fps at 1920x1080
Max. Streams	3 simultaneous streams
S/N Ratio	Above 50 dB
Dynamic Range	100 dB
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving
Image Settings	Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings

AUDIO

Audio Capability	Audio input/output (full duplex)
Compression	GSM-AMR, AAC, G.711
Interface	External microphone input External line output

NETWORK

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP / RTP / RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
Interface	10Base-T/100 Base-TX Ethernet (RJ-45) ONVIF

INTELLIGENT VIDEO

Video Motion Detection	Triple-window video motion detection
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ALARM AND EVENT

Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server

GENERAL

Connectors	RJ-45 for Network/PoE connection Audio input Audio output RS485 x1 Digital input x1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 4.4 W
Dimensions	39 (D) x 80 (W) x 70 mm (H) (body only) 101 (D) x 80 (W) x 70 mm (H) (with lens)
Weight	178 g (body only) 246 g (with lens)
Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)

SYSTEM REQUIREMENTS

Operating System	Microsoft Windows 7/Vista/XP/2000
Web Browser	Mozilla Firefox 7-10 (streaming only) Internet Explorer 7.x or 8.x
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

WARRANTY

24 months

ACCESSORIES

GGM CAMCFEXT3



GGM POEINJ2



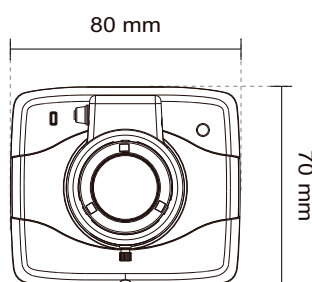
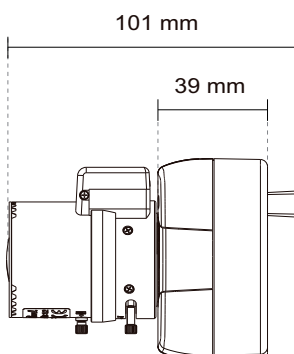
GGM CAMCDINT



GGM CAMCDEXT3



GGM CC1V3105P3M Lens 3-10.5 mm 3MP P-IRIS IR



YOUR POINT OF CONTACT

