

SPEED DOME NETWORK CAMERA GGM CAMP20EMH



Full HD Sony CMOS sensor

2-Megapixel

Triple codec
H264, MPEG-4 & MJPEG

Day / Night function

Weather-proof IP66

WDR

x20 Zoom

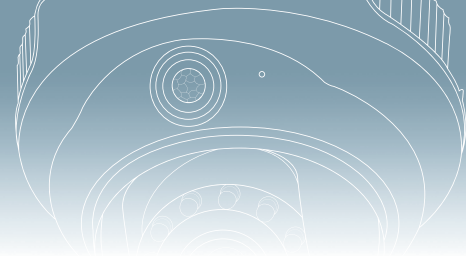
GGM CAMP20EMH is an IP camera offering 2-Megapixel or 1080p resolution with superb image quality. The camera can capture a much more comprehensive area than a standard VGA speed dome, significantly reducing the number of cameras required. The IP66-rated housing protects the camera body against rain and dust and the wide temperature range ensures operation under extreme weather conditions. It is especially suitable for monitoring wide open indoor/outdoor spaces such as airports, highways and parking lots where high-level reliability and precision are always required.

The **GGM CAMP20EMH** supports high-performance H.264/MPEG-4/MJPEG compression technology and offers extra smooth video quality with resolution up to 60fps @ 720p and 30fps @ 1080p. Adopting 20x optical zoom lens, the **GGM CAMP20EMH** is able to capture details at top-notch quality. Boasting WDR Pro technology, the **GGM CAMP20EMH** can also cope with challenging lighting conditions and generate image quality similar to the capabilities of the human eye. With sophisticated pan/tilt mechanism, the camera provides fast, precise movement with continuous 360-degree pan and 90-degree tilt. Users can easily control the lens position via a mouse or a joystick to track the object of interest and set up to 128 preset positions for patrolling.

As with all GIGAMEDIA day/night cameras, the **GGM CAMP20EMH** features a removable IR-cut filter, maintaining clear images 24 hours a day. The built-in SD/SDHC card slot offers a convenient and portable storage option to prevent data loss in case of network disconnection. With other advanced features such as 802.3at compliant PoE Plus and 60fps high quality video, the **GGM CAMP20EMH** is the best choice for the most demanding outdoor surveillance applications.

PRODUCT FEATURES

- Full HD SONY CMOS Sensor
- Up to 60 fps @ 720p HD / Up to 30 fps @ 1080p Full HD
- 20x Zoom Lens
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 90° Tilt
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP66-rated Housing
- Wide Temperature Range for Extreme Weather Conditions
- Built-in 802.3at Compliant PoE Plus
- 3D Privacy Masks for Private Area Protection
- Built-in SD/SDHC Card Slot for On-board Storage



PRODUCT SPECIFICATION

SYSTEM		IMAGE SETTINGS		DIMENSIONS	
CPU	TI DM365 SoC		Adjustable image size, quality and bit rate	Camera	Ø 200 mm x 270 mm
Flash	128MB		Time stamp and text caption overlay	Cable length	1330 mm
RAM	256MB		Flip & mirror	Cable diameter	Ø 15 mm
Embedded OS	Linux 2.6		Configurable brightness, contrast, saturation, sharpness, white balance and exposure	Max width	Ø 20 mm
PAN/TILT/ZOOM		AUDIO		WEIGHT	
Pan range	360° continuous rotation	Compression	GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps	Net	4500 g
Tilt range	0° ~ 90° flip		MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps	LED INDICATOR	
Pan speed	0.1° ~ 300°/sec		6.711 audio encoding, bit rate: 64 kbps, µ-Law or A-Law mode selectable	System power and status indicator	
Tilt speed	0.1° ~ 120°/sec	Interface	External microphone input	System activity and network link indicator	
	Auto pan mode		Audio output	POWER	
	Auto patrol mode		Supports two-way audio	24V AC	
LENS			Supports audio mute	Power consumption : Max. 60 W	
20x optical zoom lens, f = 4,7 ~ 94mm, F1.6 (wide), F3.5 (tele), auto focus, auto iris, focus range : 10 mm (wide) ~ 1000 mm (tele) to infinity		NETWORKING		802.3at compliance PoE plus	
Removable IR-cut filter for day & night function		Protocols	10/100 Mbps Ethernet, RJ-45	HOUSING	
ANGLE OF VIEW			Onvif support	Weather-proof IP66-rated housing	
Horizontal	4.7° ~ 94.0°		IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X	APPROVALS	
SHUTTER TIME				CE, LVD, FCC, VCCI, C-Tick	
	1/1 sec. to 1/10,000 sec	ALARM AND EVENT MANAGEMENT		OPERATING ENVIRONMENT	
IMAGE SENSOR			Triple-window video motion detection	Temperature	-40°C ~ 55°C (AC 24V)
	1/3" SONY CMOS Sensor in 1920x1080 resolution		Auto detection		-10°C ~ 55°C (PoE Plus)
MINIMUM ILLUMINATION			Three D/I and two D/O for external sensor and alarm	Humidity	90% RH
	0.5 Lux (F1.6)		Event notification using HTTP, SMTP or FTP	VIEWING SYSTEM REQUIREMENT	
VIDEO			Local recording of MP4 file	OS	Microsoft Windows 7/Vista/XP/2000
Compression	H.264, MJPEG & MPEG-4	ON-BOARD STORAGE		Browser	Mozilla Firefox, Internet Explorer 6.x or above
Streaming	Multiple simultaneous streams		MicroSD/SDHC card slot	Cell phone	3GPP player
	H.264 streaming over UDP, TCP, HTTP or HTTPS		Stores snapshots and video clips	Real Player	10.5 or above
	MPEG-4 streaming over UDP, TCP, HTTP or HTTPS	SECURITY		Quick Time	6.5 or above
	H.264/MPEG-4 multicast streaming		Multi-level user access with password protection	INSTALLATION, MANAGEMENT AND MAINTENANCE	
	MJPEG streaming over HTTP or HTTPS		IP address filtering	Installation Wizard 2	
	Supports activity adaptive streaming for dynamic frame rate control		HTTPS encrypted data transmission	32-CH ST7501 recording software	
	Supports 3GPP mobile surveillance		802.1X port-based authentication for network protection	Supports firmware upgrade	
Frame rates	H.264 : Up to 60 fps at 1280x720	USERS		APPLICATION	
	Up to 30 fps at 1920x1080		Live viewing for up to 10 clients	SDK available for application development and system integration	
	MPEG-4 : Up to 60 fps at 1280x720	WARRANTY		24 months	
	Up to 30 fps at 1920x1080				
	MJPEG : Up to 60 fps at 1280x720				
	Up to 30 fps at 1920x1080				
	(Up to 30/15 fps in WDR mode)				

YOUR POINT OF CONTACT

