

CAMERA IP ROTATIVE 360° WDR H264 GGM CAMP18H, GGM CAMP28H & GGM CAMP36H



	GGM CAMP18H	GGM CAMP28H	GGM CAMP36H
Zoom	x18	x28	x36



CCD sensor
Sony EXview HAD

D1 resolution

Triple codec
H264, MPEG-4 & MJPEG

Day / Night function

Weather-proof IP66

WDR Pro

Zoom x18, x28 or x36
(according to model)

Image stabilizer
(CAMP28H & CAMP36H)

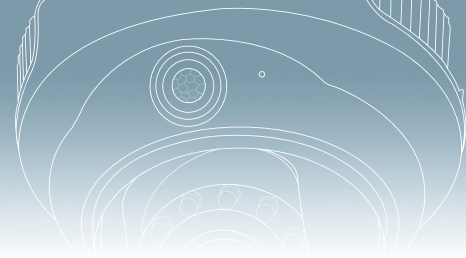
GGM CAMP18H/CAMP28H/CAMP36H are high performance day/night speed dome network cameras suitable for professional surveillance applications. The IP66-rated housing protects the camera body against rain and dust and ensures operation under extreme weather conditions. The **GGM CAMP18H/CAMP28H/CAMP36H** are especially suitable for monitoring wide open indoor/outdoor spaces such as airports, highways, parking lots, and shopping malls, where high-level reliability and precision are always required.

The **GGM CAMP18H/CAMP28H/CAMP36H** supports high-performance H.264/MPEG-4/MJPEG compression technology and offers extra smooth video quality with resolution up to 60fps @ D1. Boasting WDR Pro technology, the **GGM CAMP18H/CAMP28H/CAMP36H** 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 in and set up to 128 preset positions for patrolling.

The **GGM CAMP18H/CAMP28H/CAMP36H** 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 CAMP18H/CAMP28H/CAMP36H** is the best choice for the most demanding outdoor surveillance applications.

PRODUCT FEATURES

- CCD Sensor Sony EXview HAD
- Up to 60 fps @ D1 resolution
- Zoom according to model : x18 (GGM CAMP18H), x28 (GGM CAMP28H) and x36 (GGM CAMP36H)
- 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
- 128 preset positions for patrolling
- EIS, Electronic Image Stabilizer (GGM CAMP28H & GGM CAMP36H only)



PRODUCT SPECIFICATION

SYSTEM		IMAGE SETTINGS		DIMENSIONS	
CPU	TI DM368 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		AGC, AWB, AES		WEIGHT	
Pan range	360° continuous rotation	WDR Pro		Net	4500 g
Tilt range	0° ~ 90° flip	EIS (Electronic Image Stabilizer)		LED INDICATOR	
	18x optical zoom (GGM CAMP18H)	Automatic, manual or scheduled day/night mode		System power and status indicator	
	28x optical zoom (GGM CAMP28H)	BLC (Backlight Compensation)		System activity and network link indicator	
	36x optical zoom (GGM CAMP36H)	Supports privacy masks		POWER	
Pan speed	0.1° ~ 300°/sec	AUDIO		24V AC	
Tilt speed	0.1° ~ 120°/sec	Compression		Power consumption : Max. 60 W	
	Auto pan mode	GSM-AMR speech encoding, bit rate : 4.75 kbps to 12.2 kbps		802.3at compliance PoE plus	
	Auto patrol mode	MPEG-4 AAC audio encoding, bit rate : 16 kbps to 128 kbps		HOUSING	
LENS		G.711 audio encoding, bit rate : 64 kbps, µ-Law or A-Law mode selectable		Weather-proof IP66-rated housing	
CAMP18H	Removable IR-cut filter for day & night function	Interface		APPROVALS	
	18x optical zoom lens, f = 4.1 ~ 73.8mm, F1.4 (wide), F3.0 (tele), auto focus, auto iris, focus range: 10 mm (wide) ~ 800 mm (tele) to infinity	External microphone input		CE, LVD, FCC, VCCI, C-Tick	
CAMP28H	28x optical zoom lens, f = 3.5 ~ 98mm, F1.35 (wide), F3.7 (tele), auto focus, auto iris, focus range : 10mm (wide) ~ 1500 mm (tele) to infinity	Audio output		OPERATING ENVIRONMENT	
CAMP36H	36x optical zoom lens, f = 3.4 ~ 122.4mm, F1.6 (wide), F4.5 (tele), auto focus, auto iris, focus range : 10mm (wide) ~ 1500 mm (tele) to infinity	Supports two-way audio		Temperature	
		Supports audio mute		-40°C ~ 55°C (AC 24V)	
ANGLE OF VIEW		NETWORKING		-10°C ~ 55°C (PoE Plus)	
Horizontal	2.8° ~ 48.0° (GGM CAMP18H)	10/100 Mbps Ethernet, RJ-45		Humidity	
	2.1° ~ 55.8° (GGM CAMP28H)	Onvif support		90% RH	
	1.7° ~ 57.8° (GGM CAMP36H)	Protocols		VIEWING SYSTEM REQUIREMENT	
SHUTTER TIME		IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X		OS	
1/4 sec. to 1/10,000 sec		ALARM AND EVENT MANAGEMENT		Microsoft Windows 7/Vista/XP/2000	
IMAGE SENSOR		Triple-window video motion detection		Browser	
1/4 SONY EXview HAD CCD Sensor		Auto detection		Mozilla Firefox, Internet Explorer 6.x or above	
MINIMUM ILLUMINATION		Three D/I and two D/O for external sensor and alarm		Cell phone	
0.7 Lux @ F1.4 (GGM CAMP18H)		Event notification using HTTP, SMTP or FTP		3GPP player	
0.65 Lux @ F1.35 (GGM CAMP28H)		Local recording of MP4 file		Real Player	
1.4 Lux @ F1.6 (GGM CAMP36H)		SECURITY		Quick Time	
VIDEO		Multi-level user access with password protection		6.5 or above	
Compression	H.264, MJPEG & MPEG-4	IP address filtering		INSTALLATION, MANAGEMENT AND MAINTENANCE	
Streaming	Multiple simultaneous streams	HTTPS encrypted data transmission		Installation Wizard 2	
	H.264 streaming over UDP, TCP, HTTP or HTTPS	802.1X port-based authentication for network protection		32-CH ST7501 recording software	
	MPEG-4 streaming over UDP, TCP, HTTP or HTTPS	USERS		Supports firmware upgrade	
	MPEG-4 multicast streaming	Live viewing for up to 10 clients		APPLICATION	
	MJPEG streaming over HTTP or HTTPS			SDK available for application development and system integration	
	Supports activity adaptive streaming for dynamic frame rate control			WARRANTY	
	Supports 3GPP mobile surveillance			24 months	
Frame rates	H.264 : Up to 60/50 fps at 720x576				
	MPEG-4 : Up to 60/50 fps at 720x576				
	MJPEG : Up to 60/50 fps at 720x576 (Up to 30/25 fps in WDR mode)				

YOUR POINT OF CONTACT

