

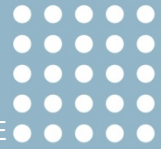
*IP GLOBAL SHUTTER CAMERA
2.0M PIXEL CAMERA MODULE*

HM-GM232

1pc Sensor/ISP board + 2pcs IP boards + 1pc PoE board

FEATURES

- 1/1.8" Type Sony Global Shutter CMOS Sensor
- Resolution :
 - Digital : 1920x1080p(30/25fps), 1920x1080i(60/50fps), 1280x720p(60/50,30/25fps)
 - Analogue : 700TVL
- WDR (Wide Dynamic Range)
- DNR (Digital Noise Reduction)
- DE-FOG
- Shutter Strobe
- Intelligent Motion Detection
- Defog : Defogging foggy video image
- Digital x32 Zoom
- Auto Deblur
- Shutter Speed Max. 1/30000
- 1 Sensor Input & 1 Alarm output
- H.264 & M-JPEG
- Triple Streaming
- 2 Way Live Audio
- Dynamic IP Support
- ONVIF / PSIA
- Dimension : 42mm x 42mm(board)



Specification

Item		Specification
Image Sensor		1/1.8" Type Sony Global Shutter CMOS Sensor
Scanning System		Progressive Scan
Resolution		Digital : 1920x1080p(30/25fps), 1920x1080i(60/50fps), 1280x720p(60/50, 30/25fps)
		Analogue : 700TVL
MIN. Illumination		Color : 0.5 Lux, B/W : 0.1 Lux, DSS Color : 0.002 Lux, B/W : 0.001 Lux
S/N Ratio		More than 90dB
Communication	Protocol	Pelco-D, Pelco-P
	Baud Rate	2,400 to 115,200
Power Consumption	Input voltage	DC 12V(±20%)
	Current	MAX. 250mA
White Balance	Mode	AWB / MANUAL / PUSH / AWB-EXT
	Color Temperature	1,800K to 10,000K
	ATW	INDOOR / OUTDOOR
	Manual	RED Gain/Blue Gain Adjustable
Day & Night	Mode	AUTO / DAY / NIGHT / CDS / EXT-H / EXT-L
Image	Mode	Sharpness / Color Gain / DIS / Gamma
	Flip	OFF / H / V / H-V Flip
	Shading	ON / OFF
	Gamma	LCD / CRT / User[0.45 to 0.75]
	Backlight	OFF / BLC / WDR / HLC
DNR		LOW / MIDDLE / HIGH
Intelligence Motion Detection		ON / OFF
DE-FOG		OFF / 1 ~ 3
IR Strobe Signal		Shutter Strobe
Digital Zoom		X32
AE Mode	Mode	AUTO(Normal/Deblur) / MANUAL / FLICKERLESS
	AGC Limit	0 ~ 10
	Shutter Speed	[60Hz System] 1/30, 1/60, 1/100, 1/120, 1/250, 1/700, 1/1000, 1/1600, 1/2500, 1/5000, 1/7000, 1/10000, 1/30000
		[50Hz System] 1/25, 1/50, 1/100, 1/250, 1/700, 1/1000, 1/1600, 1/2500, 1/5000, 1/7000, 1/10000, 1/30000
	Digital Slow Shutter	OFF / x2 to x32



Specification

Video Compression	H.264 & M-JPEG
Audio Compression	G.711 u-law, G.726 4 Bits ADPCM
Resolution	MAX. Full HD(1080p30) 1920x1080, 1280x720, 640x352, 320x176
Compression Level	6 Levels(Low Compression / Highest / High / Normal / Low / Lowest)
Live Casting	Up to 30FPS @ 1920x1080 Resolution
Streaming	Triple Streaming
Audio Support	2 Way Live Audio
Transmission Control	CBR, VBR(32Kbps ~ 12Mbps)
Alarm Management	[Trigger] Video Loss / Video Recovered / Motion Detection / Sensor Input / Boot / Serial / Schedule and Others [Service] Image Buffering Service(8Mbytes Pre-Post Alarm Buffer), FTP/E-Mail Notification Service
Dynamic IP Support	Dedicated Dynamic IP Service using www.ipcctvdns.com
Security	Password Protection for Live, PTZ, Alarm Output and Audio
Software (IE)	Live-Cast and PTZ Control through Web Browser with Audio (MIN. PC Requirement : Windows XP, 2000, Vista / IE6.x or Higher / Pentium IV 1.6GHz or Higher)
CMS	Support Free 16 Channels, Full Featured PC NVR (MIN. PC Requirement : Windows XP, 2000 / Pentium IV 1.6GHz CPU or Higher / 256Mbytes RAM or Higher / 64Mbytes Video Memory or Higher)
Protocol	HTTP, TCP/UDP/IP, ARP, ICMP, RTP/RTSP, Multicast, Telnet, FTP, PPPoE, SMTP(E-Mail), DHCP, NTP, uPNP and Others ONVIF, PSIA Support
SDK	Open HTTP API, ActiveX for Live-Cast with Audio and PTZ
Installation & Maintenance	Configuration : Installation Wizard, HTTP, Telnet and Console Firmware Upgrade : HTTP, Telnet+FTP
Miscellaneous	Serial Input Data Transmission with Video, Different Time Zone Support, User-Wise Authentication Data and Time can be synchronized with an external NTP server, Live-Cast for up to 16 Clients.
# Specification & Design are subject to change without prior notice.	