

Technical Manual

Model : HM-GM232 (Global Shutter Camera Module)



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Hanse Engineering co., Ltd

1. Specification

Item		Specification
Image Sensor		Sony IMX265(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) Analog : 700TVL
MIN. Illumination		Color : 0.5 Lux, B/W : 0.1 Lux, DSS Color : 0.002 Lux, B/W : 0.001 Lux
Video Output		HD : HD-SDI/EX-SDI, Analog SD : CVBS (It is not used for IP cameras.)
S/N Ratio		More than 90dB
Language		ENGLISH / CHINESE / CHINESE-S / JAPANESE / KOREAN
Communication	Protocol	Pelco D/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	Mode	OFF / BLC / WDR / HLC
DNR		LOW / MIDDLE / HIGH
Intelligence MOTION DET.		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
Lens		Motorized V/F, f=3.6 ~ 11mm