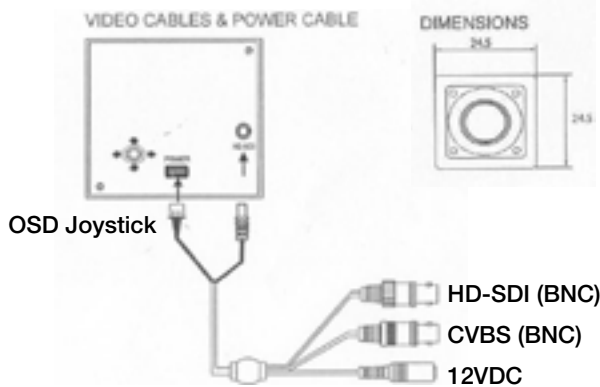


## 2MP HD-SDI 1080p Full HD Miniature PINHOLE Camera with 4.5mm HD Pinhole Lens

### FEATURES

- Sony "Exmor" 2.2 Megapixel CMOS
- Progressive Scan
- Megapixel Fixed Pinhole 4.5mm HD
- Lens 1920x1080p/30fps, 1280x720p/60fps
- HD-SDI (BNC) and Analog (BNC)
- 0.5Lux (Color), 0.1Lux (B/W), 0.02Lux (Sens-up 30X)
- DWDR (ACCE), DNR (2D+3D),  
Privacy Masking, Defog and HLC function
- 12VDC
- 25.4 x 25.4 x 1.98mm

The Marshall HD-SDI Mini Pinhole Camera provides full 1080p resolution and a sharp, low noise image for all types of applications in Covert Surveillance, Security, Law Enforcement, OEM, and other types of HD applications. The camera incorporates a newly designed Sony 2.2 Megapixel CMOS Sensor with a micro 4.5mm HD MP Pinhole Lens providing 1080p at 30fps.



### SPECIFICATIONS

Imaging Sensor	1/2.8" Sony "Exmor" 2.2 Mega-pixel CMOS Sensor
Scannin System	Progressive Scan
Number of Active Pixels	1936(H) x 1097(V) = 2.12 Megapixel
Number of effective Pixels	1984(H) x 105(V) = 2.19 Megapixel
S/N Ratio	More than 50dB
HD-SDI Video Output Mode	1080P (1944x1080)
Analog Video Output Level	1.0Vp-p (75Ω, Composite) NTSC
Min. Illumination	0.5Lux (Color), 0.1Lux (B/W), 0.02Lux (Sens-up x30)
Lens	Megapixel 4.5mm Pinhole HD Lens
Electronic Shutter Speed	Auto/Flk (NTSC: 1/30sec-1/50,000sec)
White Balance	AWB/AWC/Set/Manual/Indoor/Outdoor
Backlight Compensation	BLC/HSBLC/Off
D-WDR/ACCE	Low/Middle/High/Off
AGC	Low/Middle/High
Adjust	Sharpness/Monitor/LSC/NTSC/PAL
Language	English (Selectable)
Day & Night	Auto/BW/Color/EXT(Selectable)
2D/3D-NR	2DNR/3DNR/SMART NR

Digital Zoom/PIP	ON/Off (x2-x64)
Privacy Masking	On/Off (8 Zone Selectable)
Motion Detection	On/Off (3 Zone Selectable)
Defect	LIVE DPC/STATIC DPC
Sens-Up	On/Off (Selectable limit-X30)
D-EFFECT	Freeze/Mirror/D-Zoom/NEG.IMAGE
IR LED	-
Construction	Aluminum Die-Casting Case
Operating Temp	-10°C-50°C(14 °F-122°F)
Storage Temp	-20°C-60°C(-4°F-140°F)
Humidity	0% to 90%
Supplied Voltage	DC12V 10% ±10%
Power Consumption	Max.150mA
Dimensions (WxHxD)	25.4x25.4x1.98mm (1x1x0.78in)
Weight	60g
Certification	CE, FCC, RoHS, KCE