



- 1/2.9 inch SONY CMOS (IMX-222 IMX-322)
- HD-SDI (1080P • 720P • 720P CROP)
- Extended Serial Digital Interface
- 1 Lux at F1.2 • 0.1 Lux (B/W)
- OSD Controlled
- DNR (Digital Noise Reduction)
- Smart IR
- WDR (Wide Dynamic Range) Day and Night (ICR Option)
- Digital ZOOM
- Privacy
- Image Conversion
- Easy Installation Fixed Lens 2.9mm
- 3.6 mm, 3.7mm, 4mm,4.3mm or 6mm

What is EX-SDI?

The Secrets

EX-SDI utilize low frequency signal combine with the new VLC (Visually Lossless CODEC) technology, able to push up 99% identical image quality at more than twice the transmission distance.



270Mbps EX-SDI Low speed = long transmission distance
1485Mbps HD-SDI High speed = short transmission distance

Ready for 4K

EX-SDI is built in mind of adopting 4K resolution to security. Thanks to the EX-SDI VLC feature, because of that it is possible to transmit 4K in realtime FPS over coaxial cable.



Backward Compatibility

EX-SDI Magic series will work with any HD-SDI cameras. Just like the Magic series once were compatible with their predecessors' technologies

Video Balun compatible

UTP cable is another option to transmit EX-SDI video signal in order to reduce cable cost. Specialized video balun for EX-SDI is required. (sold separately)

SPECIFICATIONS

Resolution	1080P, 720P, 720P CROP
Sensor	1/2.9 inch SONY CMOS (IMX-222 / IM × 322)
Total Pixels	2000(H) × 1241(V) = 2,482,000
Effective Pixels	1944(H) × 1092(V) = 2,122,648
Scanning System	PROGRESSIVE
S/N (Y signal)	More than 52 dB (AGC Off)
Video Output	SMPTE274M (HD-SDI) / (CVBS: 1.0Vp-p (75ohm) : Option)
Min.Illumination	1 Lux at F1.2 / 0.1 Lux (B/W)
White Balance	AUTO / AUTO EXT / PRESET / MANUAL
shutter	AUTO / MANUAL (1/30sec ~ 1/60,000sec)
Brightness	ADJUSTABLE (0 ~ 20 STEP)
SENS_UP	OFF / × 2 / × 4 / × 8 / × 16 / × 32
DNR	OFF / LOW / MIDDLE / HIGH
BACKLIGHT	OFF / WDR / BLC / HLC
ACE	OFF / LOW / MIDDLE / HIGH
Day & Night	AUTO (Day <--> Night TIME Change) , COLOR , B/W, EXTERN,
Privacy	OFF / ON
Motion	OFF / SET
D.ZOOM	x1.0 ~ × 16.0
FLIP	OFF / ON
FREEZE	OFF / ON
Language	ENG, CHN, CHN(S), JPN, KOR
Sharpness	ADJUSTABLE (0 ~ 10 STEP)
DEFOG	OFF / SET
COMM	RS-485 (PELCO-D)
SMART IR (IR product SPEC.)	ADJUSTABLE (0 ~ 20 STEP)
Operating Temperature / Humidity	14°F ~ 122°F(-10°C ~ 50°C) / 30% ~ 80% RH
Storage Temperature / Humidity	-4°F ~ 140°F(-20°C ~ 60°C) / 20% ~ 90% RH
Power	DC12V
signal Transmission	The distant difference is occurred according to cable option and other circumstances. (based on 5C-HFBT : HD-SDI (200M-656ft) / EX-SDI (400M-1312ft))

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