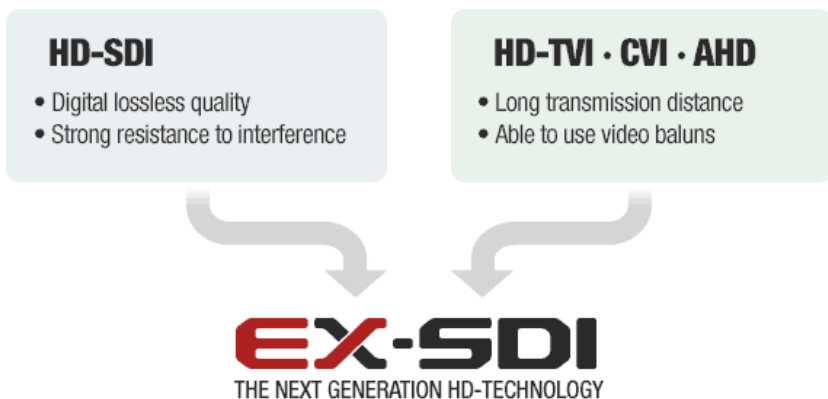1/2.9 inch SONY CMOS (IMX-222 • IMX-322) • Extended Serial Digital Interface • 0 Lux at IR On (IR LED 2pcs) • DNR (Digital Noise Reduction) • Digital WDR (Wide Dynamic Range) • Day & Night (ICR Option) • Easy Installation • 3.6 or 4mm Fixed • COLOR : BLACK • WHITE
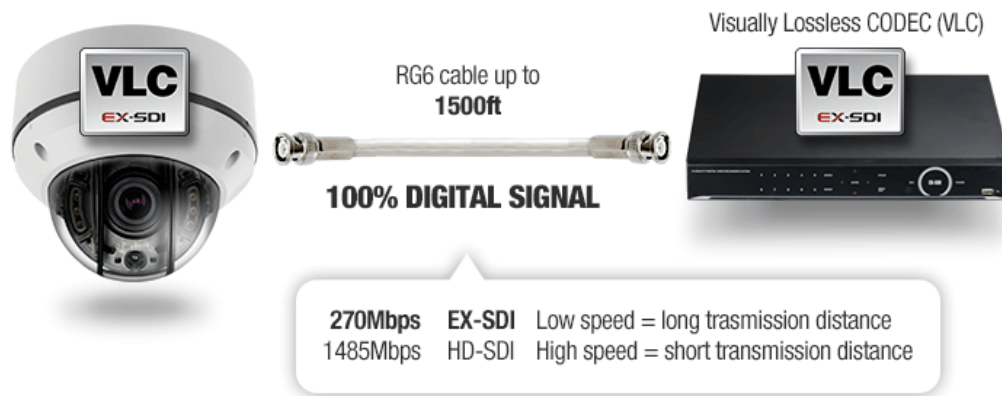
What is EX-SDI?

Union of great advantages from all existing technologies

HD-SDI
- Digital lossless quality
- Strong resistance to interference

HD-TVI · CVI · AHD
- Long transmission distance
- Able to use video baluns

EX-SDI
THE NEXT GENERATION HD-TECHNOLOGY

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.

Visually Lossless CODEC (VLC)

RG6 cable up to 1500ft

100% DIGITAL SIGNAL

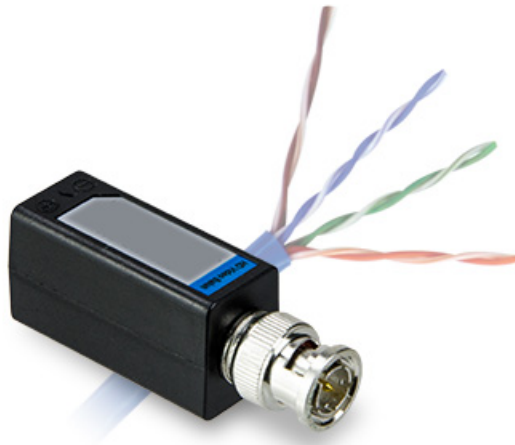|		
270Mbps	EX-SDI	Low speed = long trasmission distance
1485Mbps	HD-SDI	High speed = short transmission distance

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
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	SMPTE292M (HD-SDI) / (CVBS: 1.0Vp-p (75ohm) : Option) (TVI : OPTION)

Min. Illumination	IR PRODUCT : 0 Lux at IR On 1 Lux at F1.2 / 0.1 Lux (B/W)
White Balance	AUTO / AUTO EXT / PRESET / MANUAL
Electronic shutter speed	AUTO / MANUAL (1/30sec ~ 1/30,000sec) / Flicker
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 / FLIP / FREEZE	OFF / ON
MOTION / DEFOG	OFF / SET
D.ZOOM	x1.0 ~ × 16.0
Language	ENG, CHN, CHN(S), JPN, KOR
Sharpness / Brightness	ADJUSTABLE (Sharpness : 0 ~ 10 STEP / Brightness : 0 ~ 20 STEP)
COMM.	RS-485(PELCO-D)
Temperature/Humidity	Operating (14°F ~ 122°F(−10°C ~ 50°C) / 30% ~ 80% RH) / Storage (−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) / EX-SDI (400M))