

# Anti-IR Reflection | 1080P EX-SDI/HD-SDI STORM® IR IP68 Vandal-Resistant Dome Camera with Vari-Focal Lens, L-Size, DC 12V



Anti-IR Reflection Series(The Shield) : prevents washed out video caused by IR reflection from obstacles(water or oil) on cover • 4 pcs of COB IR • IP68 + Vandal Resistant STORM Case (US/China Patented) • 2.8~12mm Mega-pixel Lens • True Day & Night(ICR) • EX-SDI • HD-SDI selectable • Balun compatible

## Mount Accessories

Wall Mount Bracket	<a href="#">DO WB221</a>
Ceiling Mount Bracket	<a href="#">DO CB221</a>

## What is EX-SDI?

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Union of great advantages from all existing technologies

## HD-SDI

- Digital lossless quality
- Strong resistance to interference

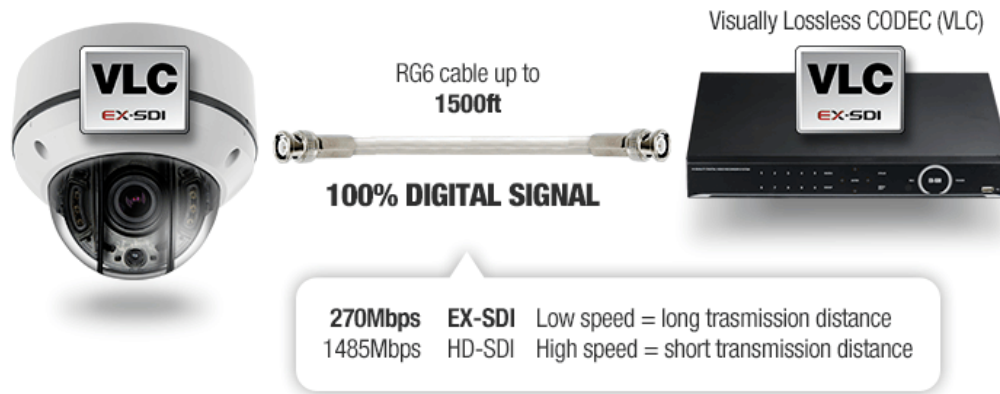
## HD-TVI · CVI · AHD

- 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.



## 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.

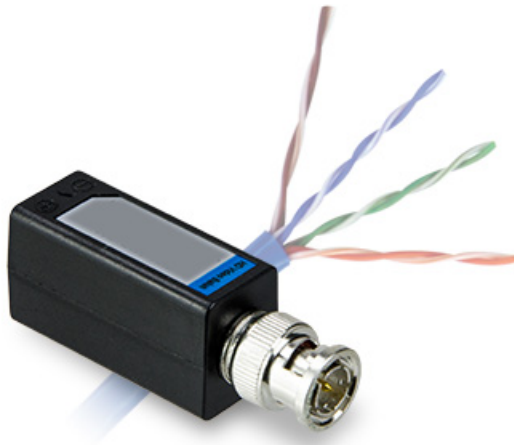
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## Backward Compatibility

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)



## FEATURES

- **1080p** FULL HD Flawless Video
- 1/2.9" Sony CMOS
- 2.8 ~ 12mm Auto-Iris Vari-Focal Lens
- 0 Lux at IR On (COB IR : 4pcs)
- Upgraded Waterproof Housing (IP68 Rating)
- Smart IR / DNR (Digital Noise Reduction) / True Day & Night (ICR)
- RS-485 Option
- Easy Installation
- DC 12V

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## SPECIFICATIONS

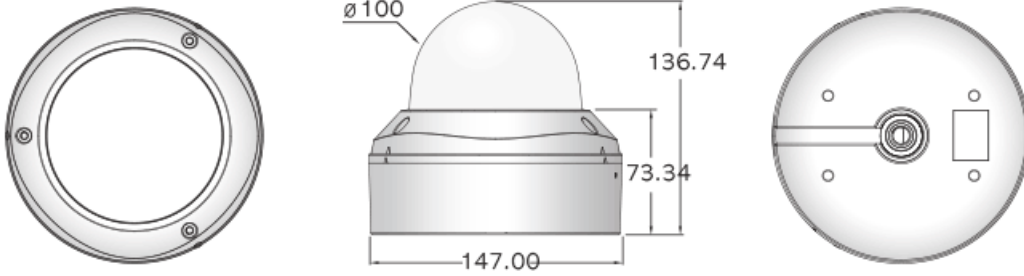
Resolution	1080p, 720p
Sensor	1/2.9 inch SONY CMOS (IMX-222 / IM x 322)
Total Pixels	2000(H) x 1241(V) = 2,482,000
Effective Pixels	1944(H) x 1092(V) = 2,122,648
Scanning System	Progressive
S/N (Y Signal)	More than 52 dB (AGC Off)
Video Output	SMPTE274M (HD-SDI) / CVBS: 1.0Vp-p (75ohm)
Min. Illumination	IR Product: 0 Lux at IR On
White Balance	Auto / Auto Ext / Preset / Manual
Shutter	Auto / Manual (1/30sec ~ 1/30,000sec)/ FLICKER
Brightness	Adjustable (0 ~ 20 Step)
Sens Up	OFF / x 2 ~ x 32
DNR	OFF / Low / Middle / High
Backlight	OFF / WDR / BLC / HLM
ACE	OFF / Low / Middle / High
Day & Night	Auto (Day <--> Night Time Change), Color, B/W, Extern
Privacy	OFF / ON
Motion	OFF / ON
Flip	OFF / ON
Defog	OFF / ON
Language	English, Chinese, Chinese(S), Japanese, Korean
Sharpness	Adjustable (0 ~ 10 Step)
Defog	OFF / SET
Communication Port	RS-485 (Pelco-D)
Smart IR	Adjustable (0 ~ 20 Step)
Operating Temp / Humidity	-10°C ~ +50°C(14°F ~ 122°F) / 30% ~ 80% RH
Storage Temp / Humidity	-20°C ~ +60°C(-4°F ~ 140°F) / 20% ~ 90% RH
Power	DC 12V

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Signal Transmission

The distant difference is occurred according to cable option and other circumstances. (based on 5C-HFBT : HD-SDI (200M) / EX-SDI (500M))

## DIMENSIONS



unit : mm