

## HD-SDI CAT5 Extender Series

**ITEM NO.: SDI05**



HD-SDI CAT5 Extender is a passive device which use in one pair to send HD-SDI signals up to 45m via a CAT6 cable at HD resolution in a point-to-point configuration. The HD-SDI passive CAT5 extender supports uncompressed transmission of up to 1.485G b/s. It is perfect to send HD CCTV over existing CAT5 cable Applications include HD-CCTV, broadcasting, HD camcorder, studio-to-studio, post production, live events, medical imaging displays, and medical imaging...etc.

### **SDI05 HD-SDI CAT5 Extender - Passive type**

- To send HD SDI signal over CAT5e/6 UTP cable.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M)
- No external power required.
- Up to 45 meters via CAT6 cable at HD-SDI resolution.
- Up to 150M meters via CAT6 cable at SDI resolution.

### **Installation View:**



**Caution: To use "RJ45 to screw terminal" adapter not allowed for the cable connection. To use Screw terminal won't able support high bandwidth HD-SDI signal and also cause wrong ohm value on the video signal.**

### **Working Distance:**


Cable Max. distance	CAT5e UTP cable	CAT6 UTP cable
SD resolution (270Mbps)	130M	150M
HD resolution (1.45Gbps)	30M	45M

### Recommend Cable:

Using high quality CAT5e UTP or CAT6 UTP cable

### RJ45 Pin Define:

Using Standard EIA/TIA 568B

	RJ45 Jack		
	PIN	Color	Function
 1 2 3 4 5 6 7 8 W-O O W-G BL W-BL G W-BR BR JACK POSITION	1	W-O	X
	2	O	X
	3	W-G	X
	4	BL	X
	5	W-BL	X
	6	G	X
	7	W-BR	SDI (+)
	8	BR	SDI (-)

### Specification:

ITEM NO	SDI05
Video	BNC x 1 (75 Ω) MALE
Transmission Interface	RJ45 x 1
RJ45 pin define	Pin 7 SDI (+) · Pin 8 SDI(-)
Insert loss	<6 dB
Video Bandwidth	270M b/s , 1.485G b/s
Transmission Distance	SD : CAT5e UTP / 130M , CAT6 UTP / 150M HD : CAT5e UTP / 30M , CAT6 UTP / 45M
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimensions mm	25.4 x 25.4 x 140.5 (include BNC cable 91 mm)
Weight g	58

RoHS CE FC

Rev.A