

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:



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 |
|  <p>1 2 3 4 5 6 7 8 W-O O W-G BL W-BL G W-BR BR JACK POSITION</p> | 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