



1. Overview

The product provides customer with the most cost-effective solution for transmission of 1 channel bi-directional HD-SDI/SDI/ASI digital video signal, with 1+1 remote input redundancy and 1 local input redundancy optional. It is an easy installation and adjustment free device while providing high quality, real-time video. It is widely used in the field of CCTV, video surveillance, and etc.

2. Features

Transmission 1 channel bi-directional SDI/ASI digital video signal over a single fiber

Support many types of redundancy, including 1+1 remote side input redundancy, 1+2 remote side input redundancy and 1 local input redundancy, to make sure the video signal transmission with high stability

Support SMPTE 305M (SDTi) SMPTE 310M (19.4Mb/s), SMPTE 344M (540Mb/s), M2S and DVB-ASI (270Mb/s) formats for SDI/ASI transmitter and receiver

Support SMPTE 259M, SMPTE297M, SMPTE305M, SMPTE310M format and up to 1.485Gbps, and DVB-ASI (270Mb/s) formats for HD-SDI transmitter and receiver

Transmission distance on the fiber is up to 80Km without relay

AC and DC input power supply optional

Standalone and module type optional

3. Management

Provide SNMP/WEB/Console management along with 4U high chassis

View and configure the redundancy type

Provide environment parameter monitoring, including power supply status and device operation temperature

Provide user management to ensure the device operation security

4. Specifications

4.1 Power

AC Input: 100~240V

DC Input: -48V

Power Consumption: ≤15W

4.2 Video input ports

Format: SMPTE 259M A, B, C, D, SMPTE 297M, SMPTE 305M, SMPTE 310M, SMPTE 344M, M2S& DVB-ASI, up to 1.485Gbps

Number: 3 (2 for transmit and 1 for local backup input)

Return Loss: >15dB

Connector: 75 ohm BNC

4.3 Video output ports

Number: 3 (1 for local loop out and 2 for output from remote unit)
Signal level: 800mV
Rise/drop Time: 900ps
Return Loss: >15dB
Jitter: <0.2UI
Connector: 75 ohm BNC

4.4 Fiber port

Number: 1
Type: Single-mode/Multi-mode optional
Wavelength: 1310nm/1550nm
Connector: FC/SC/ST optional

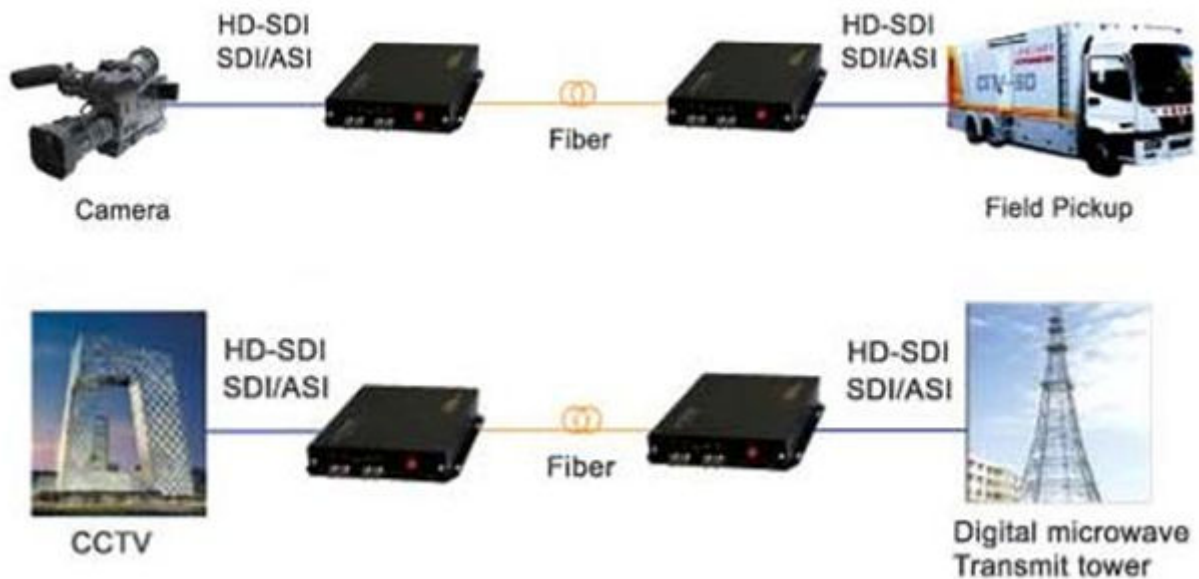
4.5 Environment

Operation Temperature: 0~50
Operation Relative Humidity: 0~90% Non-condensing
Store Temperature: -20~65
Store Relative Humidity: 0~95% Non-condensing

4.6 Dimension

20.6mm(W) * 276mm(D) * 173mm(H)

5. Application



6. Oder Information

F13-SD-1VTR-W3042FA : 1 channel SDI/ASI transmitter and receiver, Standalone, 1310nm transmission wavelength, FC connector, 220VAC power supply

F13-SD-1VTB-W3043CA : 1 channel SDI/ASI transmitter with 1+1 input redundancy, Standalone, 1550nm transmission wavelength, SC connector, 220VAC power supply

F13-HD-1VRB-W3043CA : 1 channel HD-SDI receiver with 1 remote input and 1 local input redundancy, Standalone, 1550nm transmission wavelength, SC connector, 220VAC power supply

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Quality Link Connections

