

HD Fiber Extender – Receiver

Purpose:

The HD fiber extender can receive un-compression HD video through one core single mode optical-fiber, and it able to covert optical signal to HDMI or HD-SDI. In addition, it also supports audio, RS-232C serial communication.

Features:

- Converts the Fiber to HD-SDI or HDMI
- 16-Bit Uncompressed HD-Video Transmission
- Video format 720p/1080p/1080i
- Single Fiber 2 channel Design – transmission only one optical fiber
- WDM for Highest Quality Video Transmission
- No EMI, RFI, Cross Talk, and Ground Loop
- No Electrical or Optical Adjustments Required
- Transmit up to 2 km without Optical Attenuation

Specifications:

| | | 61F2S-D | 61F2H-D |
|-----------------|--|---------------|---------------|
| I/O | Description | | |
| Fiber-Inputs | Fiber-Optical SC type Single mode X1 ch Wavelength:1310/1550nm Bandwidth:2.5G(Down-streaming)/ 6M(Up-streaming) Audio format-in : 2ch AUX linking: Ctrl bi-directional. | Y TBD Y | Y TBD Y |
| BNC-Outputs | Format: HD-SDI (SMPTE 292M) Supported Video-out 720p 50/60, 1080i 50/60,1080p25/30 Without Audio | Y | |
| HDMI –Outputs | Supported Video-out 720p 50/60, 1080i 50/60,1080p25/30 | | Y |
| Device Power-in | DC 12V Regulated/ 500mA | Y | Y |
| AUX-port: | RS-232/RS-485 TX/RX (Optional), GPIO(Optional), | Y | Y |
| Size: | | | |
| Family model | HD Camera -93MG5SH(built-in fiber transceiver) Transceiver : Model: MHD-61S2F-D | Y Y | Y |

HD Fiber Extender-Transceiver

Purpose:

The transceiver (Model: MHD-61S2F-D) can extend transmission distance up to 2 km by fiber technology for un-compression full HD video , the input HD-SDI will be converted to fiber signal out, along with audio, RS-232C serial communication by one-core fiber -Optical.

Features:

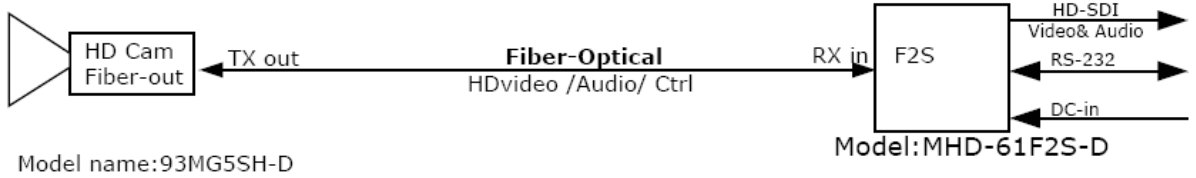
- Coverts the HD-SDI to Fiber
- 16-Bit Uncompressed HD-Video Transmission
- Video format 720p/1080p/1080i
- Single Fiber 2 channel Design – transmission only one optical fiber
- WDM for Highest Quality Video Transmission
- No EMI, RFI, Cross Talk, and Ground Loop
- No Electrical or Optical Adjustments Required
- Transmit up to 2 km without Optical Attenuation

Specifications:

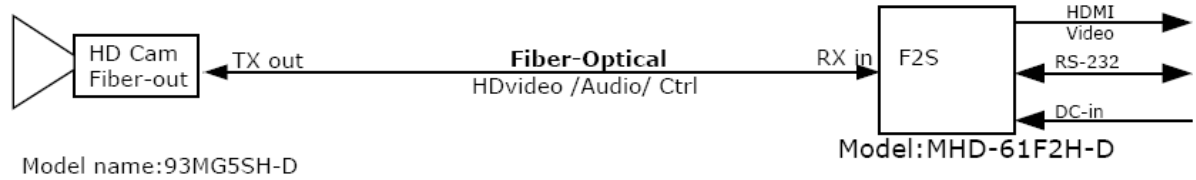
| I/O | Description | 61S2F-D | |
|-----------------|--|---------|--|
| BNC-Inputs | Format: HD-SDI (SMPTE 292M) Supported Video-out 720p 25/30/50/60, 1080i 50/60,1080p25/30 | Y | |
| | Audio format-in : 2ch | N | |
| | Power linking: DC 24V out | TBD | |
| | AUX linking: Ctrl (bi-directional.) | TBD | |
| Fiber-Outputs | Fiber-Optical SC type Single mode X1 ch Wavelength:1310/1550nm Bandwidth:2.5G(Down-streaming)/ 6M(Up-streaming) | Y | |
| | Audio format-in : 2ch | TBD | |
| | AUX linking: Ctrl (bi-directional.) | TBD | |
| Device Power-in | DC 12V Regulated/ 500mA | Y | |
| AUX-port: | RS-485 TX/RX , GPIO | Y | |
| Size: | | Y | |
| Family model | Model: MHD-61F2S-D (HD fiber Receiver) | Y | |

Application:

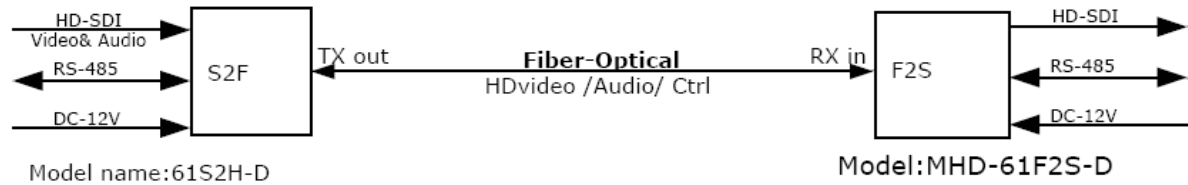
HD-SDI over Fiber Extender -Optical Transceiver inside camera



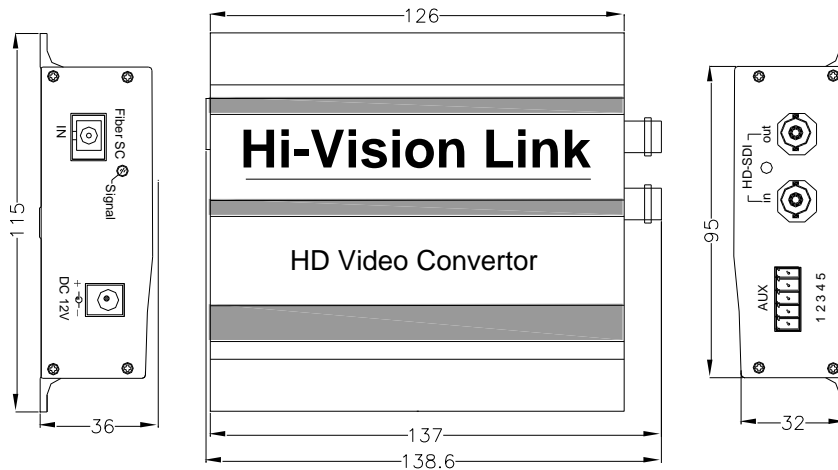
HDMI over Fiber Extender -Optical Transceiver inside camera



HD-SDI over Fiber Transceiver



Dimension :



61S2F-D/61F2H-D