

Model: MHD-61F2S/H-D

Instruction Menu

Purpose:

The HD fiber converter can receive un-compression HD video (see HD fiber-link camera list) through one core single mode optical-fiber, and it is able to convert optical signal to HDVI(Model name:**61F2H-D**) or HD-SDI(model name:**61F2S-D**). In addition, it also supports audio and RS-232C serial communication.

Main Features:

- Optic Fiber Receiver Function, up to 2 km
- One core optical fiber- 2 channel Designed
- Support HD-video/Audio/ Ctrl
- HD-video format :720p@25/30/50/60,1080p@25/30,1080i@50/60
- Embedded audio (optional)
- Ancillary information-bi-directional
- Input interface: SC fiber connector/single mode
- Convert fiber signal to HD-SDI or HDVI
- Ctrl interface: RS-232/RS-485(Optional)
- Real-time status LED indicators for troubleshooting and monitoring
- receive 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) | Y | Y |
| | Audio format-in : 2ch | TBD | TBD |
| | AUX linking: Ctrl bi-directional. | Y | Y |
| BNC-Outputs | Format: HD-SDI (SMPTE 292M) Supported Video-out 720p 50/60, 1080i 50/60,1080p25/30 Without Audio | Y | N |
| HDVI –Outputs | Supported Video-out 720p 50/60, 1080i 50/60,1080p25/30 Without Audio | N | Y |
| Power supply-in | DC 12V Regulated/ 500mA | Y | Y |
| AUX-port: | RS-232/ RS-485 (Optional), GPIO(Optional), | Y | Y |

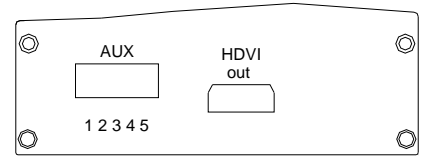
※The specifications and appearance of the product may change without notice.

Model: MHD-61F2S/H-D

Model no: MHD-61F2H-D

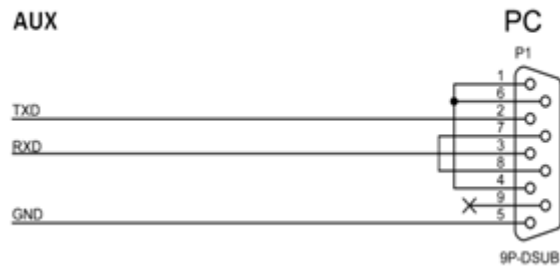
Right side panel

- **HDVI out:** To connect HDTV Monitor (Consumer type) but **no audio out.**
- **AUX port:** There are five pins which supports function as below-Picture)
P1 ~P3 are for RS-232 control camera remotely
Baud Rate 9600 N, 8, 1



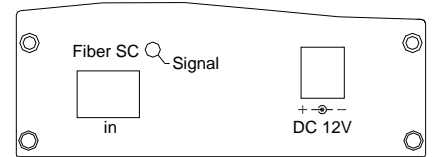
To Connect PC wiring:

| P1 | P2 | P3 | P4 | P5 |
|----------|----------|-----|--------|--------|
| 232+(RX) | 232-(TX) | GND | NO use | NO use |



Left side panel

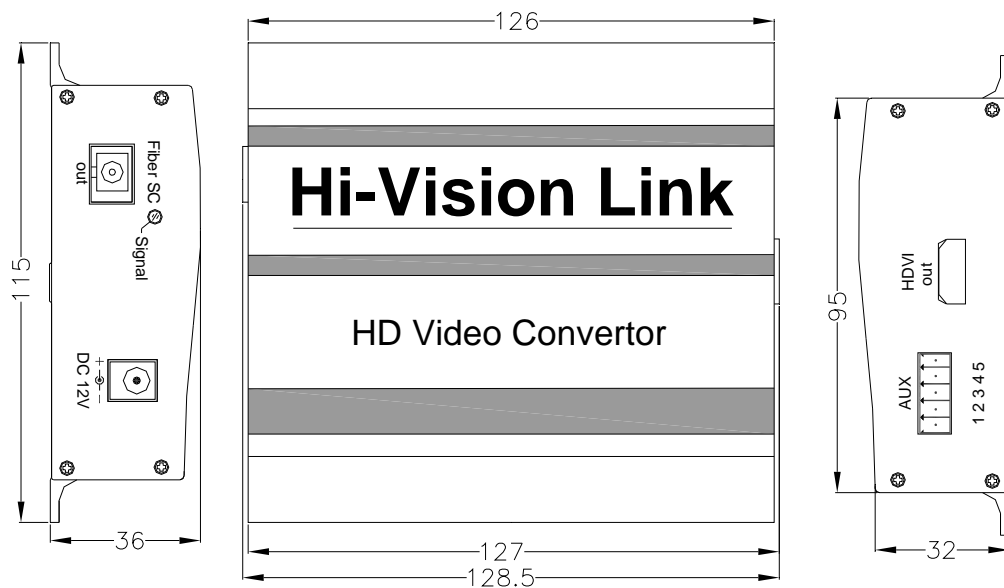
- **Fiber SC in:** support YUV-422, audio and Ctrl signal in. It is able to receive HD video source remotely and HD F-link camera (see compatible HD camera list).
- **Green LED :** If it is flashing, it means that it doesn't receive signal from remote side. If it is always on, it means that it is locking fiber signal.
- Power supply in : DC 12/500mA (Polarity Center Positive) in F-link application



Dimension (unit:/0.5mm):

Module No. 61F2H-D

Model: MHD-61F2S/H-D



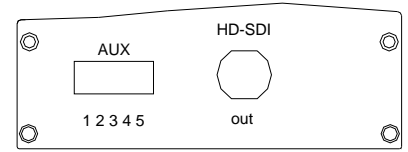
※The specifications and appearance of the product may change without notice.

Model: MHD-61F2S/H-D

MHD: 61F2S-D

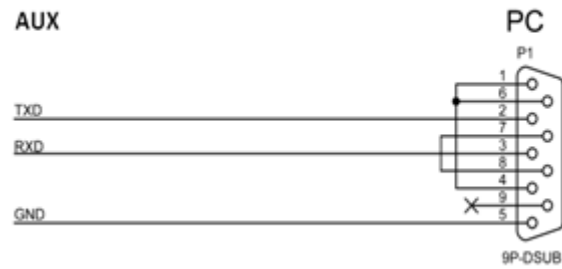
Right side panel

- **HD-SDI out:** To connect HD-SDI Monitor
- **AUX port:** There are five pins which support function as below-Picture)
P1 ~P3 are for RS-232 control camera remotely
Baud Rate 9600 N, 8, 1



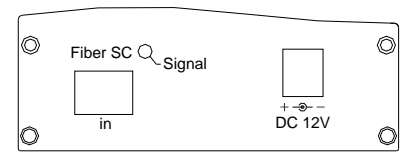
To Connect PC wiring:

| P1 | P2 | P3 | P4 | P5 |
|----------|----------|-----|--------|--------|
| 232+(RX) | 232-(TX) | GND | NO use | NO use |

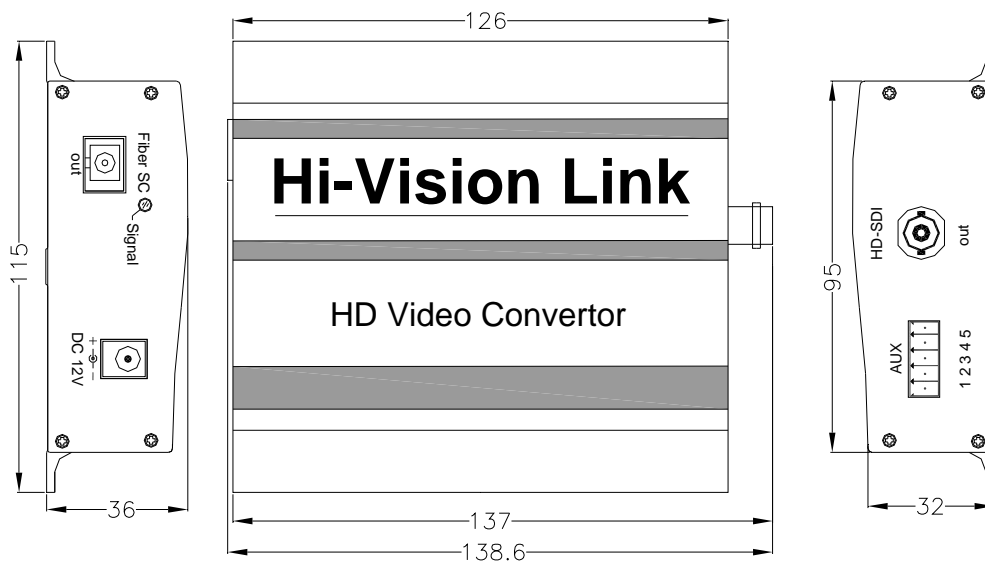


Left side panel

- **Fiber SC in:** support YUV-422 , audio and Ctrl signal in. It is able to receive HD video source remotely and HD F-link camera (see compatible HD camera list)
- **Green LED :** If it is flashing, it means that it doesn't receive signal from remote side. If it is always on, it means that it is locking fiber signal.
- Power supply in : DC 12/500mA (Polarity Center Positive) in F-link application



Dimension (unit:/0.5mm):



※The specifications and appearance of the product may change without notice.

Model: MHD-61F2S/H-D



HD Fiber-link camera model list

| Model name | Description |
|------------------|---|
| MHD-93MG5SH-D | Support Fiber-link 1.3 Mega CMOS Aspect Ratio 4:3/16:9 1080p/720p/3DNR/OSD YUV 422 ,Ctrl(RS-232)out via Optic fiber/CVBS, |
| MHD-93MG5SH-DICR | Support Fiber-link 1.3 Mega CMOS Aspect Ratio 4:3/16:9 1080p/720p/3DNR/OSD YUV 422 ,Ctrl(RS-232)out via Optic fiber/CVBS, ICR |

※The specifications and appearance of the product may change without notice.