

## Two HD-SDI Fiber Transport Kit with Optional Aux

Single fiber transport for SDI video, audio, serial data, & contact closure



The F-M2SDI kit includes a transmitter and a receiver unit. The transmitter provides two inputs for serial digital video on BNC terminals. The platform will support any SDI or ASI signal up to a 1.5 Gbps data rate. The Aux port provides optional support for 4 channel audio, RS-232, or contact closure.

The standard unit without options provides one directional RS-485 data from the receiver unit to the transmitter. This can be used for control applications such as PTZ controllers or video switches. This also allows a return path that provides a link alarm indicator on both units that indicates when an optical link is not present. Each aux option must be ordered at the time of purchase, and the units cannot be converted from one option to the other. Consult a sales representative for more details.

## Product Specifications and Information Table

| HD-SDI Interface                 |                     | RS485 Interface        |                          |
|----------------------------------|---------------------|------------------------|--------------------------|
| Connector                        | 2x BNC              | Connector              | Terminal Block connector |
| Bit rate                         | 1.485Gb/s           | Baud rate              | 0 ~ 115.2Kb/s            |
| Impedance                        | 75Ω                 | Bit error ratio        | <10 <sup>-9</sup>        |
| Return loss                      | >15dB               | Duplex                 | Half-duplex              |
| Output level                     | 800mVp-p±10%        | Power Consumption      |                          |
| Rise and fall time ( HD-SDI )    | ≤270ps              | Power supply           | DC 12V                   |
| HD-SDI Alignment jitter (100KHz) | ≤0.2UI              | DC input voltage range | 8V~14V                   |
| HD-SDI Timing jitter (10Hz)      | <1.0UI              | Power consumption      | 3W±10%                   |
| Standard                         | SMPTE-292M HD-SDI   | Environmental          |                          |
| Audio Interface (Optional)       |                     | Working temperature    | -30 ~ 60°C               |
| Connector                        | Terminal Block      | Relative Humidity      | ≤95%, no condensation    |
| Impedance                        | high-impedance 600Ω | Storage temperature    | -40 ~ 85°C               |
| Bandwidth                        | 20Hz~20KHz          | Dimensions             |                          |
| Total Harmonic Distortion        | 0.1%                | Desktop Enclosure      | 180mm x 123mm x 30mm     |