

Bridge UHD_QOTR

Quad OTR Transceiver UHD Optic Extender



Descriptions

Bridge UHD_QOTR bi-directionally converts and transmits the 4 independent 3G-SDI input signal to Optical signal with receiving 2 channel 3G-SDI at the same time via two LC single mode fibers. Furthermore, Quad Link 3G-SDI signals for UHD 4k is also applicable. Bridge UHD_QOTR works with not only UHD standard signal, but also separate signal such as Non-standard 3D signal, speed camera and so on.

Feature

- Simultaneous Bi-directional Transmission of SDI TX 4 channels and RX 2 channels
- Standard SDI(SD,HD,3G) format supported
- UHD 4K (Quad Link 3G-SDI to Optic) supported
- 2 *LC single mode fiber used : each fiber for 2CH & 1 Return Path (CWDM)

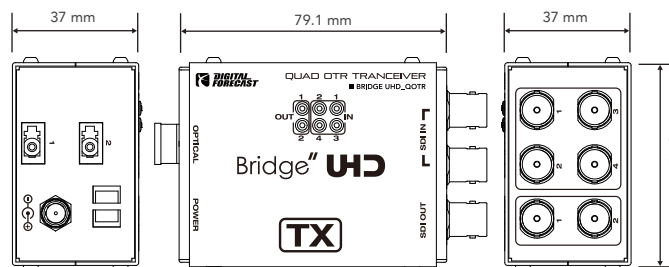
Operating Environment

| | |
|-----------------------|--|
| Power Level | 7V ~ 16VDC |
| Power Consumption | TX(RX) : 7.5(7.8) Watts (Max 9(9) Watts) |
| Operating Temperature | 0°C ~ 55°C |
| Humidity | 0% ~ 95% RH, Non-condensing |
| Data Rate | 3G |
| Signal Level | 800mVp-p +/- 80mV |



Drawing Dimension [mm]

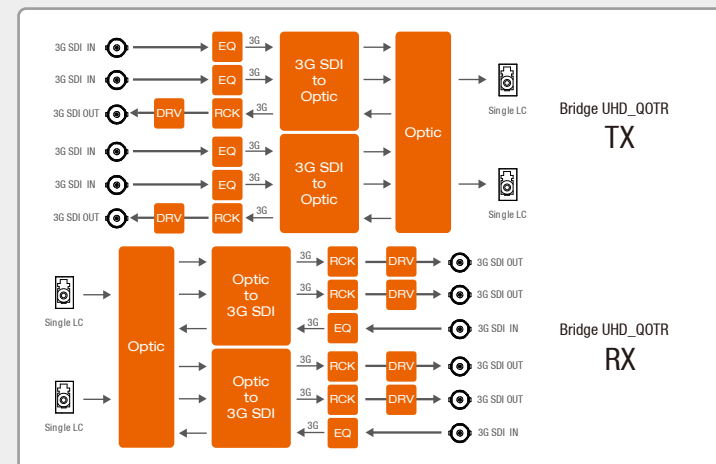
W79.1 x L59.2 x H37.0 mm / TX : 164g, RX : 165G



Digital Video Specs.

- SMPTE-296M : 720p (60/59.94/50)
- SMPTE-274M, SMPTE-292M : 1080i (60/59.94/50)
- SMPTE-424M : 1080p (60/59.94/50) 3G

Block Diagram



Format Support

| Input Format | Output Format | 480i (NTSC) | 576i (PAL) | 480P | 576P | 720P24 | 720P25 | 720P30 | 720P50 | 720P59.94 | 720P60 | 1080i50 | 1080i59.94 | 1080i60 | 1080p24 | 1080p25 | 1080p30 | 1080psF24 | 1080p50 | 1080p59.94 | 1080p60 | |
|--------------|---------------|-------------|------------|------|------|--------|--------|--------|--------|-----------|--------|---------|------------|---------|---------|---------|---------|-----------|---------|------------|---------|--|
| 480i (NTSC) | | ● | | | | | | | | | | | | | | | | | | | | |
| 576i (PAL) | | | ● | | | | | | | | | | | | | | | | | | | |
| 480P | | | | ● | | | | | | | | | | | | | | | | | | |
| 576P | | | | | ● | | | | | | | | | | | | | | | | | |
| 720P24 | | | | | | ● | | | | | | | | | | | | | | | | |
| 720P25 | | | | | | | ● | | | | | | | | | | | | | | | |
| 720P30 | | | | | | | | ● | | | | | | | | | | | | | | |
| 720P50 | | | | | | | | | ● | | | | | | | | | | | | | |
| 720P59.94 | | | | | | | | | | ● | | | | | | | | | | | | |
| 720P60 | | | | | | | | | | | ● | | | | | | | | | | | |
| 1080i50 | | | | | | | | | | | | ● | | | | | | | | | | |
| 1080i59.94 | | | | | | | | | | | | | ● | | | | | | | | | |
| 1080i60 | | | | | | | | | | | | | | ● | | | | | | | | |
| 1080p24 | | | | | | | | | | | | | | | ● | | | | | | | |
| 1080p25 | | | | | | | | | | | | | | | | ● | | | | | | |
| 1080p30 | | | | | | | | | | | | | | | | | ● | | | | | |
| 1080psF24 | | | | | | | | | | | | | | | | | | ● | | | | |
| 1080p50 | | | | | | | | | | | | | | | | | | | ● | | | |
| 1080p59.94 | | | | | | | | | | | | | | | | | | | | ● | | |
| 1080p60 | | | | | | | | | | | | | | | | | | | | | ● | |