

# OPTICAL TRANSCEIVER Micro Type Converter



## Descriptions

Bridge 1000OTR [Optic, 3G/HD/SD SDI, TX RX] converts SDI video signals up tp fiber optic signal simultaneously. In addition, OTR has a optical 2TX, 1RX port so it can transmit and receive optical signals at the same time.

## Feature

- Bidirectional Optical to HD/SDI
- 1310nm, 1490nm, 1550nm FP-LD Source
- 1 HD/SDI Select input ( Send SD/HD/3G )
- 2 HD/SDI Receive out ( Receive part )
- SMPTE Mode(Support Pathological Signal)
- Up to 10 Km using Single mode fiber
- DC 5V ~ 24V wide operating range

## Physical

- Dimension (W x H x D) : 68 x 59.2 x 20 (mm)
- Weight : 100g
- Power Level +12 VDC
- Power Consumption : 3Watts (Max : 4Watts)
- Operating Temperature : -20°C ~ 70°C
- Humidity : 0 to 95% RH, non-condensing

## Digital Video Specs.

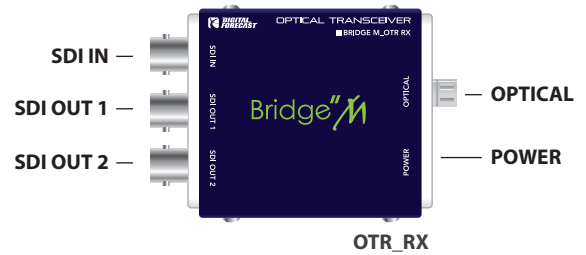
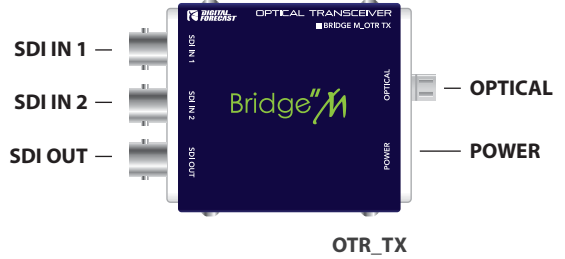
### Optic

- SMPTE compliance Optical SFP ( Max 3 GHz )
- Single mode , 1310nm/1490nm/1550nm
- Up to 10Km
- Supports multi-rate SDI formats
- SMPTE 125M: NTSC (480i 59.94), PAL (576i 50)
- SMPTE 296M: 720p (60/59.94/50)
- SMPTE-274M, SMPTE-292M: 1080i (60/59.94/50)  
1080p (30/29.97/25/24/23.98)
- SMPTE-424M: 1080p (60/59.94) 3G

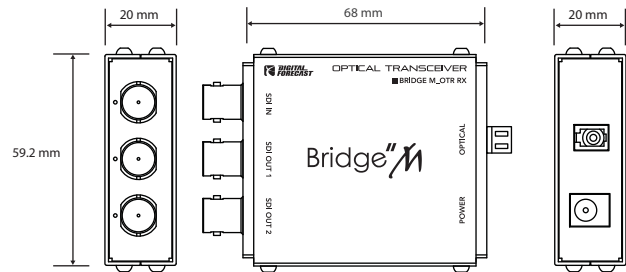
## Format Support

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

## Image View



## Drawing Dimension [mm]



## Application

- Braodcast system
- Sports stadium bradcast system
- Long distance Remote monitoring system