

# EB12HD2R-MNR

## 12G/6G/3G/HD/SD-SDI UHD video SFP (emSFP) coaxial Dual receiver, non-MSA, HD-BNC

The video SFP (emSFP) EB12HD2R-MNR is a medium reach coaxial video SFP (emSFP) with built-in reclocker. This SFP (emSFP) is specifically designed to support pathological test patterns.

This SFP (emSFP) is designed to receive two SDI signals (12G/6G/3G/HD/SD-SDI) over 75ohms coaxial cables via HD-BNC connectors. The equalizer inside is SMPTE compliant video SFP (emSFP) features the DC restoration to compensate for the DC content of the SMPTE pathological test patterns.

Inside the SFP, one reclocker per channel suppress the accumulated jitter coming from the source. Each reclocker procures optimal jitter performance.



### 12G-SDI CONNECTIONS SOLUTION



## FEATURES

- ST-2082-1, ST2081-1, ST424, ST292, ST259 Compliant
- Supports video pathological patterns for SD-SDI, HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI
- Control and monitoring via Serial interface:
  - Input Signal Detection
  - Voltage & Temperature Monitoring
  - Module Information
  - IO diagnostic
  - IO Configuration
- Power consumption - TBD mW
- Single Supply +3.3V
- 56.6mm x 13.4mm x 8.6mm SFP package

## BENEFITS

- ✓ High-density and future-proof architecture
- ✓ Superior jitter management and signal regeneration
- ✓ Saves costs by reducing power consumption and physical space;
- ✓ Accepts any I/O type while keeping your system design budget under control;
- ✓ Reduces development cost and risk;

## ORDERING INFORMATION

**EB12HD2R-MNR** 12G-SDI Dual receiver  
[Http://www.embrionix.com/product/family/video-sfp-coaxial](http://www.embrionix.com/product/family/video-sfp-coaxial)

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## 12G-SDI DUAL RECEIVER

