

BarnOne BTF1-07



Technical Specifications

Electrical ports

- 8x bi-directional BNC ports
- 75 OHM BNC connector
- SMPTE 259M, 292M, 372M, 424M, DVB-ASI
- Multirate reclocking of outputs 270Mbit/s – 3Gbit/s
- Automatic cable EQ (Belden 1694A) 270Mbit/s-250m, 1.5Gbit/s-140m, 3Gbit/s-80m

Optical ports

- 16x fiberoptical ports (SFP) , Duplex transceivers , LC/PC connectors
- SMPTE 259M, 292M, 372M, 424M, 297M, DVB-ASI
- Hot pluggable/swappable
- Singlemode and/or Multimode
- 16 CWDM wavelength selections – ITU-T G.694.2
- Multirate reclocking of outputs 270Mbit/s – 3Gbit/s

CWDM Mux & Demux

- 8/16 optical channels
- Center wavelengths according to ITU-T G.694.2
- Channel center wavelength 1290~1590 nm
- Channel clear passband ITU +/- 7 nm
- Insertion loss 8ch-2.5dBm, 16ch-3.5dBm (max)
- Passband ripple 0.5dBm (max)
- Adjacent channel isolation 30dBm (min)
- Non-adjacent channel isolation 45dBm (min)
- Return loss 45dBm (min)
- Directivity 45dBm (min)
- Polarization dependent loss 0.1dBm (max)
- Operating temperature range -20C to +70C (optional -40C to +85C)
- Storage temperature handling – 40 to + 85C
- Maximum power handling 300mW

Power supply

- 12V DC 120W. Power supply included
- Redundant power supply optional

Physical size

- 445mm x 280mm x 43,5mm (17.5" x 11" x 1.7")
- 3.8 kg

Model name

- BTF1-07

Includes

- BTF1-07 frame, powersupply 12V DC, BarnStudio configuration and operation software