

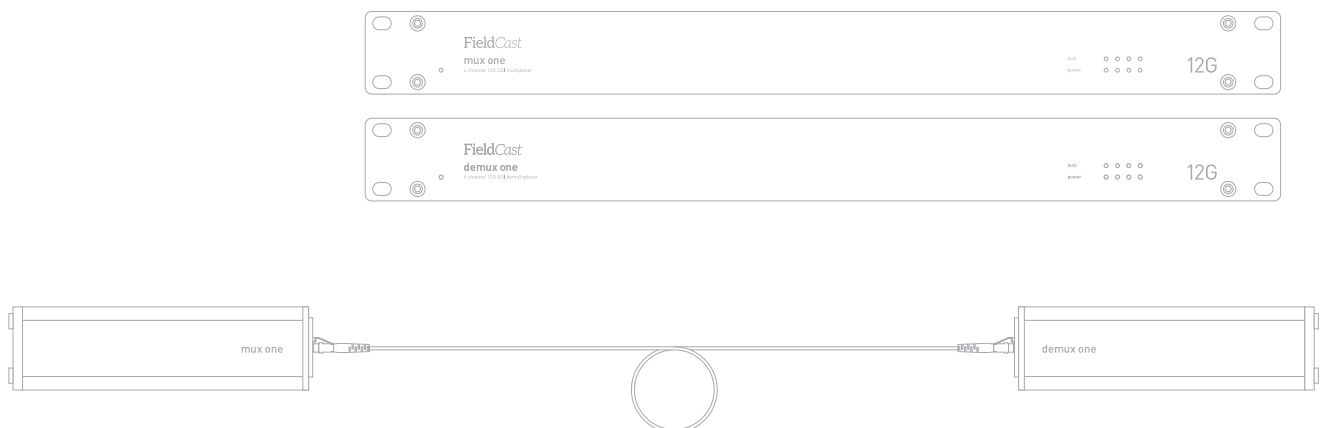
# mux one 12G / demux one 12G

Mux One 12G and its twin sister Demux One 12G as a pair allow you to transport four independent channels of 12G SDI video over just one single mode fiber optic channel.

Is your infrastructure such that you have limited access to individual fiber optic connections, Mux One and Demux One can help you to run multiple channels of 12G SDI video without the need for separate cables.

Or else, do you want to roll out a minimum number of cables in live events environments, just use Mux One and Demux One, multiplex up to four channels of video and get all data from A to B using only one fiber cable!

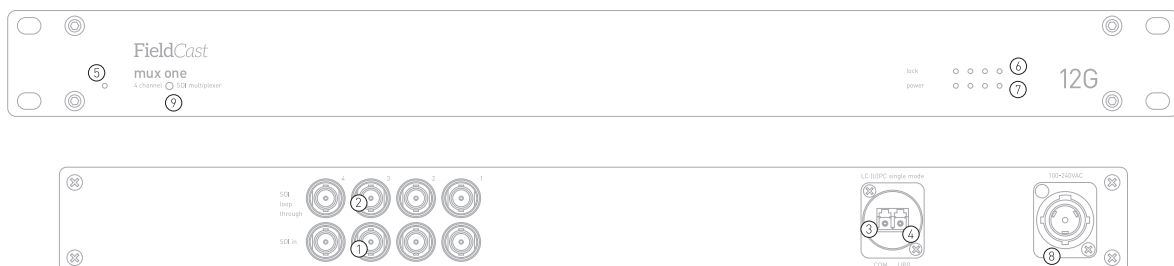
No hidden processing involved! All 12G video signals preserve full data integrity! What goes in comes out, unchanged.



## specifications

### **mux one 12G**

- 4 channel SDI input to 1 channel fiber optic output multiplexer
- 1RU all aluminum enclosure design
- four 12G (11.88Gb) SDI input channels (1), each with SDI loopthrough (2)
- 75ohm BNC connectors for all SDI inputs and loopthrough outputs
- complies with SMPTE 259M, SMPTE 344M, SMPTE 292M, SMPTE 424M, SMPTE ST 2081 and SMPTE ST 2082
- accepts all SD, HD and UltraHD standards up to 2160p60
- 9/125 single mode fiber optic technology
- one LC single mode (U)PC fiber optic output (COM) channel (3)
- one LC single mode (U)PC fiber optic upgrade (UPG) channel (4)
- black front panel with 2mm. warm white led indicators
- one led indicator for AC connection (9)
- one led indicator for power supply activity (5)
- four led indicators for channel module activity (6)
- four led indicators for SDI signal input activity (7)
- power consumption  $\leftarrow$  40W
- proprietary hybrid WDM multiplexing technology for ultra low dispersion
- minimum distance between Mux and Demux  $\rightarrow$  10km on all wavelengths.
- 110-240VAC input with PowerCon connector (8)
- dimensions: 482(W) x 155(D) x 43(H) mm.
- weight: 1500 grams
- comes with manual and local power cord



## specifications

# demux one 12G

- 1 channel fiber optic input to 4 channel SDI output demultiplexer
- 1RU all aluminum enclosure design
- 9/125 single mode fiber optic technology
- four 12G (11.88Gb) SDI channels with dual output (1)
- 75ohm BNC connectors for all SDI outputs
- complies with SMPTE 259M, SMPTE 344M, SMPTE 292M, SMPTE 424M, SMPTE ST 2081 and ST 2082
- accepts all SD, HD and UltraHD standards up to 2160p60
- one LC single mode (U)PC fiber optic input (COM) channel (2)
- one LC single mode (U)PC fiber optic upgrade (UPG) channel (3)
- black front panel with 2mm. warm white led indicators
- one led indicator for AC connection (8)
- one led indicator for power (4)
- four led indicators for channel module activity (5)
- four led indicators for fiber optic signal input activity (6)
- power consumption  $\leftarrow$  40W
- proprietary hybrid WDM demultiplexing technology for ultra low dispersion
- minimum distance between Mux and Demux  $\rightarrow$  10km. on all wavelengths
- 110-240VAC input with PowerCon connector (7)
- dimensions: 482(W) x 80(D) x 43(H) mm.
- weight: 1500 grams
- comes with manual and local power cord

