

# **mux one plus 12G / demux one plus 12G**

Mux One Plus 12G and its twin brother Demux One Plus 12G allow you to transport four channels of 12G SDI video plus full duplex 1Gb Ethernet over just one fiber optic channel.

Is your infrastructure such that you only have access to one single mode (simplex) fiber optic connection, Mux One Plus and Demux One Plus can help you to get this all done, plain and simple.

Or else, just use Mux One Plus and Demux One Plus in live events environments and run video plus ethernet using just one (simplex) fiber optic cable as a connection between the two units.

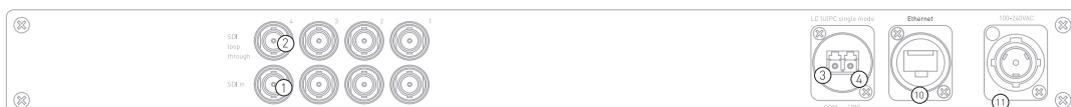
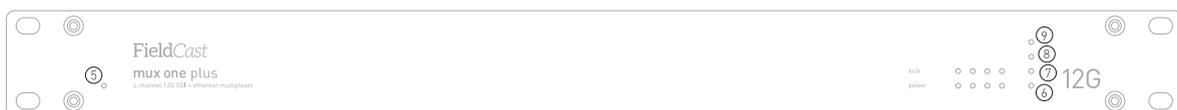
No hidden compression involved! All 12G video signals preserve full data integrity! What goes in comes out, unchanged. And the Ethernet connection simply behaves like a Cat5 cable connecting your hubs!



## specifications

# mux one plus 12G

- 4 channel SDI input to 1 channel fiber optic output multiplexer, plus 1Gb Ethernet fiber extender
- 1RU all aluminum enclosure design
- four 12G (11.88Gb) SDI input channels (1), each with SDI loopthrough (2), 75ohm BNC connectivity
- complies with SMPTE 259M, SMPTE 344M, SMPTE 292M and 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 channel (COM) for all SDI signals and ethernet (3)
- one LC single mode (U)PC fiber optic upgrade channel (UPG) (3)
- Ethernet protocol: IEEE802.3U IEEE802.3z 1000Base-TxFx
- UTP RJ-45 connector for Ethernet, full duplex or half duplex (10)
- black front panel with 2mm. warm white led indicators
- one led indicator for power (5)
- led indicators for channel module activity (6), input activity (7), TP/LNK (8) and 1Gb (9)
- power consumption ← 40W
- proprietary hybrid WDM multiplexing technology for ultra low dispersion
- minimum distance between Mux and Demux → 10km. for all wavelengths
- 110-240VAC input with PowerCon connector (11)
- dimensions: 482(W) x 155(W) x 43(H) mm.
- weight: 1800 grams, total weight boxed product: 1900 grams
- comes with manual and local power cord



## specifications

# demux one plus 12G

- 1 channel fiber optic input to 4 channel SDI output demultiplexer, plus 1Gb Ethernet fiber extender
- 1RU all aluminum enclosure design
- four 12G (11.88Gb) SDI channels with dual output, 75ohm BNC connectivity (1)
- complies with SMPTE 259M, SMPTE 344M, SMPTE 292M and SMPTE 424M, SMPTE ST 2081 and SMPTE ST 2082
- accepts all SD, HD and UltraHD standards up to 12160p60
- 9/125 single mode fiber optic technology
- one LC single mode (U)PC fiber optic channel (COM) for all SDI signals and ethernet (2)
- one LC single mode (U)PC fiber optic upgrade channel (UPG) (3)
- Ethernet protocol: IEEE802.3U IEEE802.3z 1000Base-TxFx
- UTP RJ-45 connector for Ethernet, full duplex or half duplex (9)
- black front panel with 2mm. warm white led indicators
- one led indicator for power (5)
- led indicators for channel module activity (5), input activity (6), TP/LNK (7) and 1Gb (8)
- power consumption  $\leftarrow$  40W
- proprietary hybrid WDM multiplexing technology for ultra low dispersion
- minimum distance between Mux and Demux  $\rightarrow$  10km. for all wavelengths
- 110-240VAC input with PowerCon connector (10)
- dimensions: 482(W) x 155(W) x 43(H) mm.
- weight: 1780 grams, total weight boxed product: 1875 grams
- comes with manual and local power cord

