ASPEN-32UFX
32-Port 12G SDI Matrix Switcher with Interchangeable Inputs & Outputs

ASPEN-32UFX is a 32-port matrix switcher for SDI signals of up to 12G SDI. Each SDI port can be defined as either an input or output, enabling flexible configurations such as a 1x31 distribution amplifier, 31x1 switcher, 16x16 matrix switcher or any other possible input-output combination. ASPEN-32UFX is easy to operate and control through the network using the intuitive web pages and through RS-232 using a serial controller.

FEATURES

Max. Data Rate - 12Gbps
HDTV Compatible
Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances
Supports ANC Data - Embedded audio, teletext, time code, etc
Cable Equalization - Up to 300m for SD signals, 200m for 1.5G HD signals, 100m for 3G and 6G signals, and 80m for 12G signals
Clean Switching - When the sources are genlocked to the selected genlock input with a difference of no more than two lines of video
Versatile Genlocking - Using an analog signal
Memory Locations - Stores 8 multiple switches as presets to be recalled and executed when needed
## TECHNICAL SPECIFICATIONS

### Ports
- 32 12G-SDI/3G-SDI/HD-SDI/SDI Video: 75Ω on BNC connectors (by default, 1 to 16 are set as inputs and 17 to 32 are set as outputs)
- 1 Genlock: 75Ω on a BNC connector
- 1 Genlock Loop Passive loop output on a BNC connector:

### Video
- Standards: 12G−SDI − SMPTE ST−2082−1, 3G−SDI − SMPTE 424M, HD−SDI − SMPTE 292M, SDI − SMPTE 259M/344M
- Max Resolution: 4K@60Hz (4:2:2)
- Max Bandwidth: 12Gbps

### Extension Line
- SD Signals: Up to 300m
- 1.5G HD Signals: Up to 200m
- 3G Signals: Up to 100m
- 6G Signals: Up to 100m
- 12G Signals: Up to 80m
- Coupling: DC

### User Interface
- Controls: Remote RS−232, Ethernet, Web pages

### Power
- Consumption: 12V DC, 2A
- Source: 12V DC, 5A

### Environmental Conditions
- Operating Temperature: 0° to +40°C (32° to 104°F)
- Storage Temperature: −40° to +70°C (−40° to 158°F)
- Humidity: 10% to 90%, RHL non−condensing

### STANDARDS COMPLIANCE
- Safety: CE
- Environmental: RoHs, WEEE

### Enclosure
- Size: 19", 1U
- Type Aluminum
- Cooling: Fan Ventilation

### Accessories
- Included: Power adapter
- Cables (Recommended): Belden 4794R and 4855R 12G−SDI coax cables