Peace of Mind
Increasing SDI circuit reliability

UFM-80SDICS
SDI Changeover Switcher

This is a modular-type SDI changeover switcher that can be mounted in a UFM frame. Seamless automatic switching of 3G/HD/SD-SDI signals increases duplex transmission reliability. This SDI seamless switcher duplicates the uncompressed SDI signal over a fiber-optic line and monitors the SDI signals of 2 systems decoded after duplex transmission, and switches seamlessly to the other line when signal loss, video freeze, audio mute or other errors are detected. Mounting multiple switchers into a single unit greatly reduces the installation space. Downsizing can be achieved by equipping multiple modules to a single UFM frame. Up to five modules can be equipped to the UF-106B, and up to nine modules to the UF-112. In addition, different module types can also be simultaneously equipped.

Features

**Video error monitoring function**
SDI CRC errors that occur in the transmission paths of 2 systems and screen-freeze due to codec are monitored, enabling automatic switching to the normal signal.

**Audio error monitoring function**
Audio problems and muting errors are monitored, enabling automatic switching to the normal signal.

**Delay adjustment function**
The delay amount generated between the difference between the transmission paths and equipment of 2 systems can be corrected up to MAX 20 frames.

**Frame synchronizer (FS) function**
The built-in FS function can lock the output to an external REF signal even when 2 inputs are asynchronous.

**Supports 8 ch audio**
Four systems (8 ch) of embedded audio are supported, and PCM audio can be switched seamlessly by cross-fade processing.

**SNMP (Simple Network Management Protocol)**
Control and monitoring using SNMP is supported (optional)

**SDI signal pass-through function**
When the power is off, the pass-through function operates and the input signal is output to OUT1.

**Supports 3G*, SD and HD**
Various formats such as 3G (1080/50p, 59.94p, 60p), HD (1080/50i, 59.94i, 60i) and SD (525/60, 625/50) are supported.

* Supports Level-A and Level-B.

**GUI**
The status of each signal input can be monitored and unit control settings can be made using the dedicated GUI. A log of error contents and switching events are saved together with time information in the computer as a CSV file.

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INNOVATIONS IN VIDEO AND AUDIO TECHNOLOGY.
Examples of Downsizing in Duplex Transmission

- Includes loop-through connector as Genlock input. Genlock input signal can be distributed to all modules.
- Alarm detections and status indications are displayed on the front-side LED.
- All modules can be replaced through the front side.
- Permits hot swapping of power supply and modules.
- Capable of holding UF-106BPS redundant power supply (optional).
- Capable of holding UF-112PS redundant power supply (optional).
- Permits hot swapping of power supply and modules.
- All modules can be replaced through the front side.
- Alarm detections and status indications are displayed on the front-side LED.
- Includes loop-through connector as Genlock input. Genlock input signal can be distributed to all modules.
- Control module is prepared for remote control (optional).

UF-106B Universal Frame (6 Modules)
- Capable of holding up to 6 modules (boards) according to the system.
- Capable of holding UF-106PS redundant power supply (optional). (Max 4 modules with a redundant power supply)
- Permits hot swapping of power supply and modules.
- All modules can be replaced through the front side.
- Alarm detections and status indications are displayed on the front-side LED.
- Includes loop-through connector as Genlock input. Genlock input signal can be distributed to all modules.
- Control module is prepared for remote control (optional).

UF-112 Universal Frame (12 Modules)
- Capable of holding up to 6 12 modules (boards) according to the system.
- Capable of holding UF-112PS redundant power supply (optional).
- Permits hot swapping of power supply and modules.
- All modules can be replaced through the front side.
- Alarm detections and status indications are displayed on the front-side LED.
- Includes loop-through connector as Genlock input. Genlock input signal can be distributed to all modules.
- Control module is prepared for remote control (optional).

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