16X16 12G-SDI Matrix Switcher

Description

The 12G SDI matrix switcher is new launched by our company for digital signal transmission switching in UHD 4k studio systems and digital broadcasting systems. It is a high-performance matrix product with digital scheduling and switching for 8K, 4K 12G-SDI video signal which fully meets the needs of various small and medium-sized video scheduling systems for radio and television. This is also the first high-definition 8KSDI matrix switcher on the market, which supports 4-channel 8KSDI switching at the same time.

The Switcher can be connected to the REF reference synchronization signal, and the switching adopts the field blanking switching process to ensure SDI signal switching is mute without flicker. The matrix adopts the design structure that the signal processing host and the remote control panel are separated, which is very convenient for users to remote control, and is suitable for studios and television broadcast centers.

Features

1. 1U rack type, maximum support 16X16 12G-SDI signal switching
2. Support 4X12G 8K signal switching, backward compatible with 4X3G 4K signal switching
3. Support seamless switching
4. Support multi-standard signal mixed switching
5. Full-color LCD display can view in real time operation status, signal input and output status and other information
6. SNMP: Support SNMP v2c protocol, support get, trap dual mode
7. Up to 30 days of full-scale operation logging for the host + panel
8. Support WEB interface detailed configuration and log export
9. Support dual power supply to make system more reliable

Order Info

Model Number	Specification
FL-MS1616	16X16 seamless 12G-SDI matrix switcher,1U rack
FL-KMS1616	Control panel for FL-MS1616 matrix switcher,1U rack

Application

Remote OB Van/Truck Video Feeds, Broadcast Studio Camera Feeds, TV station/video conference, broadcast live transmission, Medical/Surgical Room Broadcast, Building to Building video conference, video wall controller, commend center.

Spec

SDI Video Input	
Input Channel	16
Video Signal	12G-SDI compatible with 6G/3G/HD-SDI
UHD video format	4320P 60/50/30 ; 2160P 60/50/30 ; 1080P 60/50/30/24/23.97 ; 1080i 60/50/30/24/23.97 ; 720P60/50 ; 576I50 ; 480I60
Connector	75Ω BNC
Format conversion	Down conversion
SDI specification	SMPTE292M; SMPTE259M;SMPTE296M; SMPTE372M; SMPTE424M-B and SMPTE425M; SMPTE ST-2081
Audio input	Embedded audio support
SDI Video Output	
Input Channel	16
Video Signal	12G-SDI compatible with 6G/3G/HD-SDI
UHD video format	4320P 60/50/30 ; 2160P 60/50/30 ; 1080P 60/50/30/24/23.97 ; 1080i 60/50/30/24/23.97 ; 720P60/50 ; 576I50 ; 480I60
Connector	75Ω BNC
MTBF	>100000 hours
Remote Control	RS422*2 ; RS232*2 ; RJ45*1 ; USB*1
Power Consumption	Host: 50W*2, Control panel:15W
Housing	1U rack mount
Weight	8Kg/PCS

Diagram

12G SD Camera *16

12G SDI Fiber Extender *16

12G SDI Matrix

12G SDI Recoder

Stream Server

12G SDI Encoder

12G SDI Multiview

12G SDI Monitor

Other video processor