



FSS21611S — 16-Channel Fiber Optic Video System

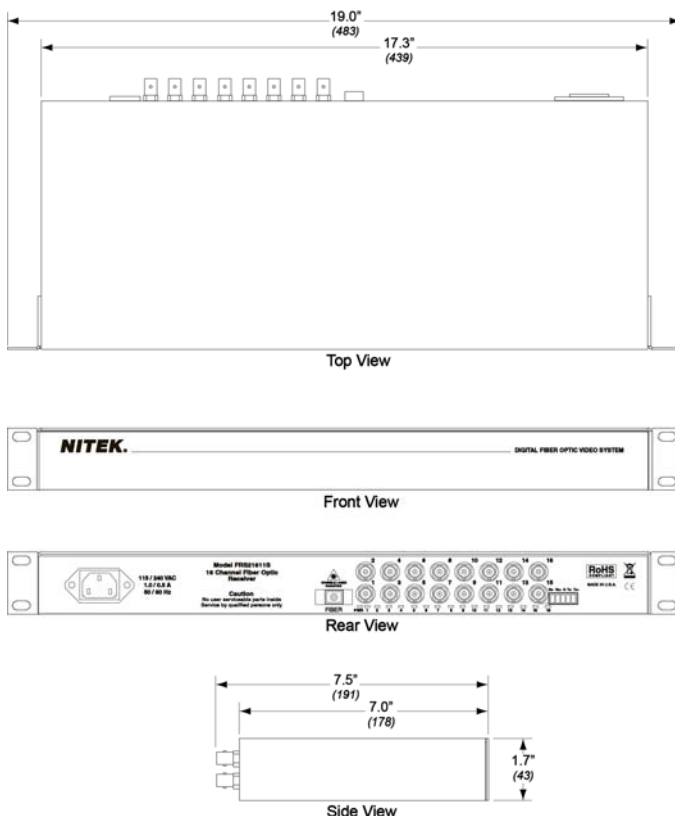
Description

The NITEK FSS21611S fiber transmitter and receiver system, is a 16 channel fiber-optic video system with Universal-Mode™, which can operate on either single-mode or multi-mode fiber. It transmits digital video and bi-directional data over a single optical fiber. The unique Universal-Mode™ optics mean you no longer have to worry about while kind of fiber you have in place. Digital transmission provides broadcast quality video performance, up to distances of 20Km (single-mode) and 1.2Km (multi-mode).

The transmitter and the receiver were engineered to provide simple “plug and play” installation with reduced labor time and lowers cost. The units are equipped with a universal power supply for 90 to 265 VAC. To install, simply plug in the units and connect a camera to the transmitter and the receiver to a video monitor. The RS422/RS485 port allows for the use of camera controls, the system begins communicating after power -up.

The LED's on the back of the units indicate the presence of power, video and communication for easy troubleshooting. The FSS21611S is built in a standard 1U chassis and it can be desktop or rack-mounting.

FSS21611S Unit Dimensions



Features

- 16 video and bi-directional data on a single fiber
- Compatible with PAL / NTSC / SECAM video systems
- Support RS-422 2-wire and RS-485 4-wire data protocols
- Distances up to 20Km in single-mode transmission
- Distances up to 1.2Km in multi-mode transmission
- Digital transmission means no degradation of video
- Easy to install, no set up or adjustments required
- LED indicators for power, video and link status
- Wide temperature range
- Desktop or rack-mounting
- Standard 1U rack-mount chassis
- Made in the U.S.A.



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TECHNICAL SPECIFICATION

SYSTEM SPECIFICATIONS

Chassis Cabinet:	19" Standard rack mount 1 RU x 7.5"D	Optical Connector:	SC (IEC 61754-4)
Power Cords:	Standard IEC Equipment Power Cords	Video Connector:	BNC Coax Connector
		Data Connector:	Screw Terminal Block
Number of Channels:	16 Channels	Input Power:	Standard IEC Equipment Power Cord
Input / Output Voltage:	1V pk-pk (typical)		
Input / Output Impedance:	75 ohms (unbalanced)	Power Supply:	Auto-Ranging
Bandwidth:	8MHz	Input Voltage:	90 to 265VAC @ 47 to 440Hz
Differential Phase:	<0.7°	Input Current:	0.8A (115VAC) / 0.56A (230VAC)
Differential Gain:	<1% (typical)	Input Power:	54 Watts
Tilt:	< 2%	Output Voltage:	5Vdc (±1%) @ 8Amps
Signal-to-Noise Ratio:	≥65dB	Output Power:	40 Watts
Format:	PAL/NTSC/SECAM compatible		
Data Format:	RS-422 (2-wire) / RS-485 (4-wire)	Operating Temperature:	-10°C to 60°C / 14°F to 140°F
Data Direction:	Bi-direction	Storage Temperature:	-20°C to 85°C / -4°F to 185°F
Data Rate:	300Kbps	Relative Humidity:	Up to 90% non condensation
Bit Error Rate (BER):	10 ⁻⁹ bits	Dimensions (L x W x H):	7.5" x 19" x 1.7" Including Tabs & BNC 91 x 483 x 43mm
Fiber Type Distances: (Dual Mode Communication)	Single-Mode 9/125 to 20Km Multi-Mode 50/125~62.5/125 to 1.2Km	Shipping Dimensions:	13.5" x 20.5" x 6" 343 x 521 x 153mm
LED Indicators:	Power, Fiber, Video	Shipping Weight:	16.0lbs (7.3Kg)

TRANSMITTER SPECIFICATIONS

Transmitter Wavelength:	
TX:	1310nm
RX:	1550nm

RECEIVER SPECIFICATIONS

Receiver Wavelength:	
TX:	1550nm
RX:	1310nm

Common Installation Type

