



FSS20811S — 8 Channel Fiber Optic Video System

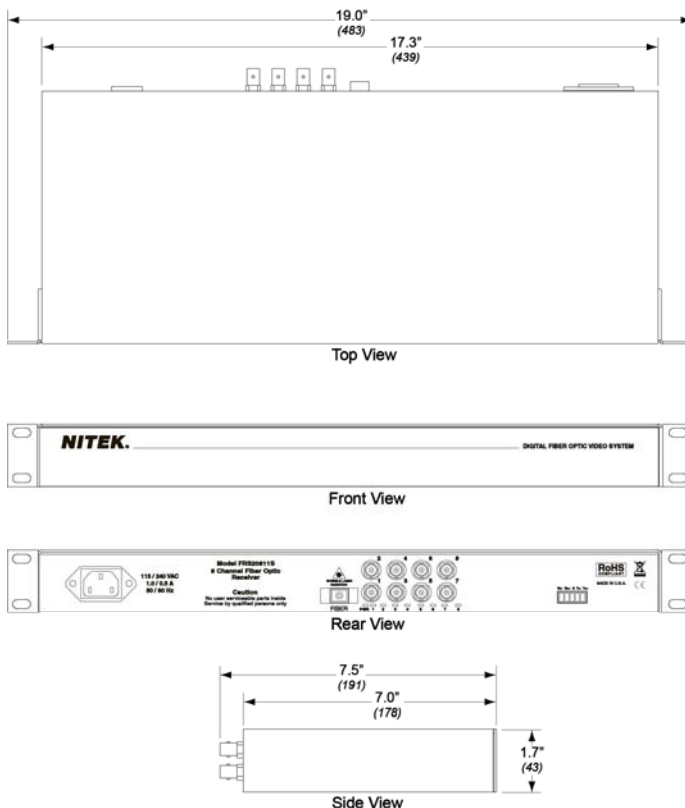
Description

The NITEK FSS20811S fiber transmitter and receiver set, is a 8 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 are engineered to provide simple “plug and play” installation which reduces 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 units indicate the presence of power, video and fiber status and communication for easy troubleshooting. The FSS20811S is built in a standard 1U chassis and it can be desktop or rack-mounting.

FSS20811S Unit Dimensions



Features

- Real time digitally encoded video
- 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
- No degradation for video regeneration
- Easy to install, no set up or adjustments required
- LED indicators for power and link status
- Standard 1U rack-mount chassis
- Wide temperature range
- Desktop or rack-mounting
- 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
		Input Power:	Standard IEC Equipment Power Cord
Number of Channels:	8 Channels	Power Supply:	Auto-Ranging
Input / Output Voltage:	1V pk-pk (typical)	Input Voltage:	90 to 265VAC @ 47 to 440Hz
Input / Output Impedance:	75 ohms (unbalanced)	Input Current:	0.8A (115VAC) / 0.56A (230VAC)
Bandwidth:	8MHz	Input Power:	54 Watts
Differential Phase:	<0.7°	Output Voltage:	5Vdc (±1%) @ 8Amps
Differential Gain:	<1% (typical)	Output Power:	40 Watts
Tilt:	< 2%	Operating Temperature:	-10°C to 60°C / 14°F to 140°F
Signal-to-Noise Ratio:	≥65dB	Storage Temperature:	-20°C to 85°C / -4°F to 185°F
Format:	PAL/NTSC/SECAM compatible	Relative Humidity:	Up to 90% non condensation
Data Format:	RS-422 (2-wire) / RS-485 (4-wire)	Dimensions (L x W x H):	7.5" x 19" x 1.7" Including Tabs & BNC
Data Direction:	Bi-direction		91 x 483 x 43mm
Data Rate:	300Kbps	Shipping Dimensions:	13.5" x 20.5" x 6"
Bit Error Rate (BER):	10 ⁻⁹ bits		343 x 521 x 153mm
Fiber Type Distances: (Dual Mode Communication)	Single-Mode 9/125 to 20Km Multi-Mode 50/125~62.5/125 to 1.2Km	Shipping Weight:	16.0lbs (7.3Kg)
LED Indicators:	Power, Fiber, Video		

TRANSMITTER SPECIFICATIONS

Transmitter Wavelength:	
TX:	1310nm
RX:	1550nm

RECEIVER SPECIFICATIONS

Receiver Wavelength:	
TX:	1550nm
RX:	1310nm

Common Installation Type

