

DESCRIPTION

The QRF5010 is designed to bring two additional baseband audio/video inputs into an existing QRF5000 based system. Via a simple coaxial interface cable, multiple QRF5010's can be cascaded to increase a systems channel capacities. Providing two channels of video and stereo audio, the QRF5010 allows easy expansion as your system needs grow.

The QRF5010 is a IRU device designed to grow your video and audio feeds from existing cable plants to new simultrans networks where feeds can be viewed on local systems with digital cable box .



QRF5010 QAM Expansion Unit

BENEFITS

- Simple and easy adaptation to existing QRF5000
- Cascade multiple QRF5010's to increase channel count

FEATURES

- Field Installable
- Insertion of analogue video feeds on existing digital cable plant to view with digital converter box
- Easy to use front panel interface to set encoding parameters



QRF5010



QRF5000



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11/2006

▶ QRF5010 QAM Expansion Unit

The QRF5010 takes two base band video and audio inputs and converts them into a coaxial transport to be used as additional inputs on a QRF5000. Multiple QRF5010's can be cascaded via the coaxial Transport / Communications link to provide incremental growth to the systems capability. Expansion limitations are based on the QAM modulation method selected in the attached QRF5000. User controls and adjustments for each channel are made from the corresponding channels front panel.

Designed for simple and easy installation into an existing QRF5000 system. The device is connected via a simple coaxial cable assuring true plug and play capability between the two units. You will use multiple units to achieve maximum channel capability on the QRF5000.

SPECIFICATIONS

Input

Baseband Video	2Video
Connectors	BNC or S-Video
Video	1 volt peak-peak nominal
AGC Range	-6 db minimum to +3db maximum
Input Impedance	75 Ohm

Audio

Connectors	2 Stereo Audio
Input Signal Level	Stacked RCA
Frequency response	1V RMS maximum
Input impedance	20 Hz - 20 kHz @48 kHz sample
	25 K Ohm minimum

Coaxial Transport / Communications Link

Connector	BNC
Impedance	75 Ohm
Length	100 feet maximum

Encoding

Video Compression	MPEG-2
Video Bit Rate	1.5 –15 Mbps Front panel controlled
Resolution	D1, 3/4 D1, 2/3 D1, 1/2 D1
Audio Compression	Dolby Digital
Audio Sample Rate	32, 44.1, 48 kbps Front panel controlled
Audio Bit Rate	128 –448 kbps Front panel controlled

Output

Coaxial Transport / Communications Link

Connector	BNC
Impedance	75 Ohms
Length	100 feet maximum

General Characteristics


Power:	17.6 W @ 90 to 240V AC
Operating Temperature:	0° to 50° C
Storage Temperature:	-40° to 70° C
Size:	17.0" W x 12.0" D x 1.75" H
Weight:	5.5 pounds

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
QRF5010	2 channel QAM Expansion

Note:

- Due to product enhancements, specifications are subject to change without notice

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