PICO DIGITAL™

IPQT-12 *GbE IP-Input Edge QAM Modulation System*

DESCRIPTION

Pico Digital's IPQT-12 is a professional-grade Edge QAM that accepts a GbE IP input in the clear or pre-encrypted sources and converts the selected streams into 12 QAM RF channels. The Edge QAM supports Multiple and Single Transport Stream configurations and is easy to set up, control and monitor with the 10/100 Base-T Ethernet port. The IPQT-12 Edge QAM is a single rack spaced chassis that also supports optional EAS and external redundant power. Ideal uses for the IPQT-12 Edge QAM include commercial residential properties, academic and medical facilities, local area network applications for both CATV and broadcast as well as the hospitality industries.

FEATURES

- Accepts a GbE IP input from Technicolor COM100 systems and other clear or pre-encrypted sources
- Two RJ45 inputs support redundant IP input, dual sourcing, or loop through
- Supports up to 12 QAM-RF channels from 50 to 1002MHz organized as 3 independent groups of 4 channels
- Provides a 10/100Base-T Ethernet port for configuration, control and monitoring
- Integrated web server allows local or remote access using standard PC internet browser and provides simple, easy navigation of all IPQT-12 status and setup parameters
- Highly integrated 1RU rack mount chassis with support for external DC redundant power
- Includes EAS override support for clear QAM programming (with third party EAS receivers.)

SPECIFICATIONS

GbE INPUTS	
Input Connector Type	2 x RJ-45
Layer 1 Ethernet	GbE (1000Base-T)
Layer 2 Addressing/Protocols	Unicast (IP address and Port), Multicast
Packetized data types	SPTS/MPTS (ITU13818-1)
MANAGEMENT PORT	
Input Connector Type	1 x RJ-45
Layer 2 Ethernet	10/100Base-T
Layer 4 Protocol	TCP/IP
QAM-RF OUTPUTS	
Output Frequency Range	50-1002 MHz
Channels	Twelve (6 or 8MHz)
QAM Modulation Modes	16, 32, 64,128, 256
QAM Types	ITU-A (DISH/DVB), ITU-B (USA/DCII)
QAM Symbol Rates	2.24~2.98, 4.85 to 7.0 Msps
PCR Re-Stamping	Auto

Channel Plans/Frequencies	EIA, HRC, IRC, custom
Output Level (effective, per channel)	>45 dBmV
(combined, 12 channels)	>32 dBmV
Output Attenuation	0-10 dB (0.5 dB step)
Output Level Flatness (50-1002 MHz)	± 0.75 dB
Spurious	> 60 dBc
Output Connector	1 x 75Ω, F-Female
Output Return Loss	>15 dB
INTERNAL AC POWER SUPPLY	
Line Voltage	93-254 VAC, 47-63 Hz
Power Consumption	60 W
EXTERNAL DC POWER BACKUP	
Voltage	+12 VDC ±5 % VAC
Current	< 4 A.
GENERAL	
Dimensions	19"(L) x 17.5"(D) x 1.75"(H)

ORDERING INFORMATION

IPQT-12 GbE IP-Input Edge QAM Modulation System

X-PS External Redundant Power Supply

PICO DIGITAL™

COM24 Dual Receiver in COM100 Chassis

Browser Web Pages

VOD System

Ethernet Switch

GbE

10/100Base-T

IPQT-12   GbE IP-input Edge QAM Modulation System

POWER
STATUS
ALARM

Pico Digital

UP   EDIT
LEFT   RIGHT
DOWN   SAVE

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DV3®

IPQT-12

QAM

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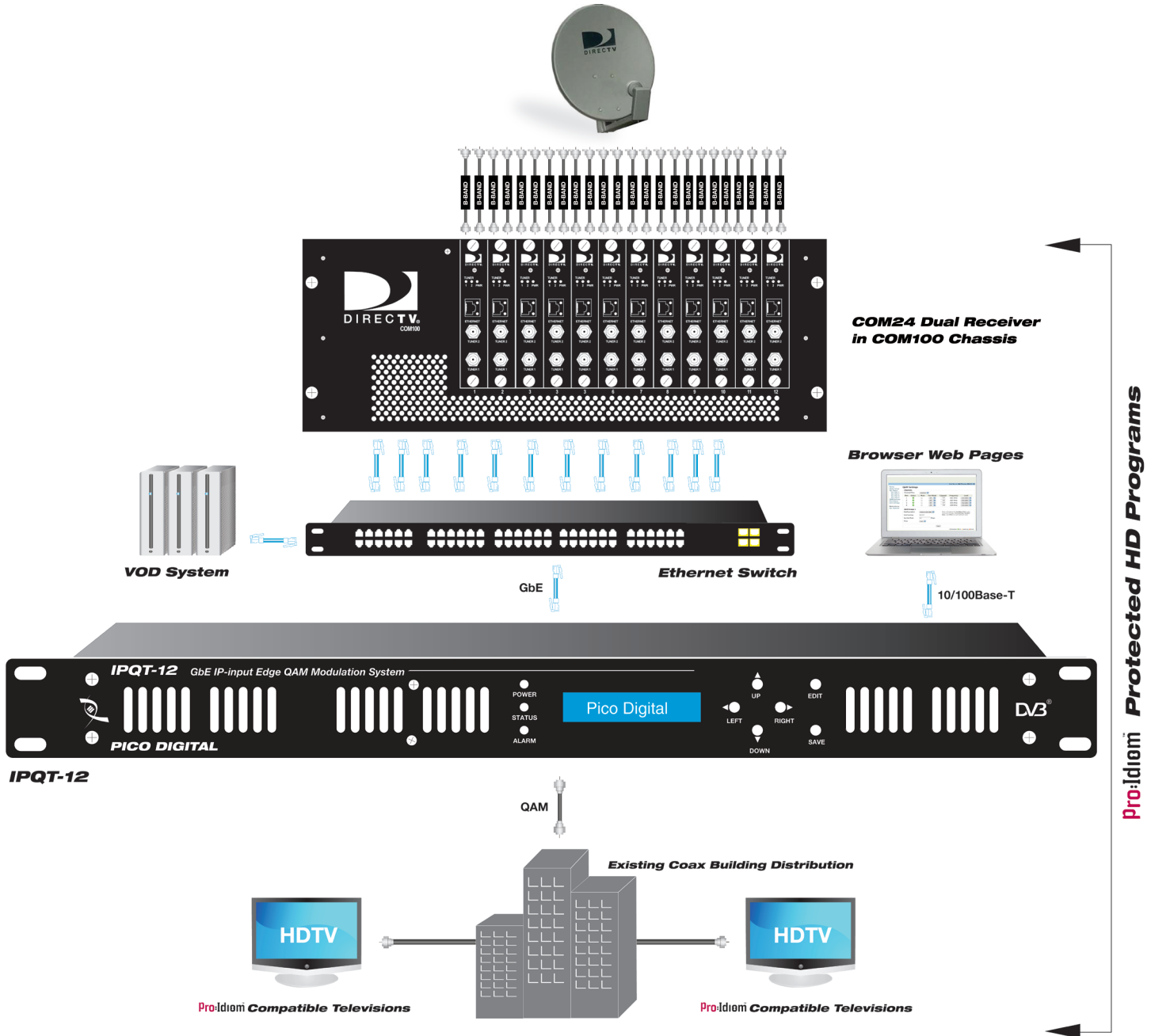
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