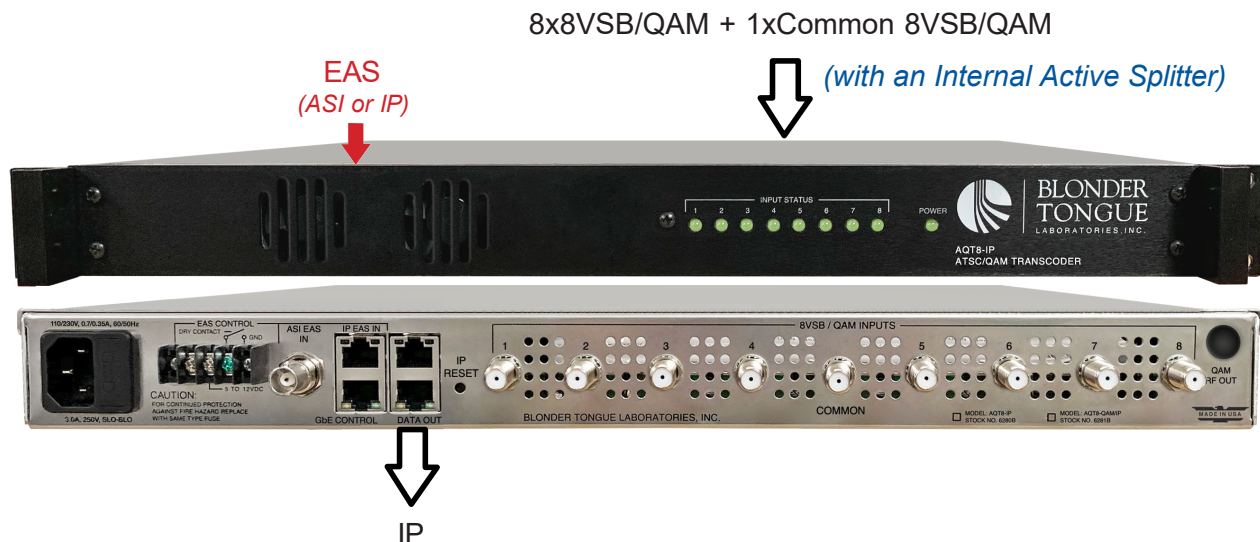


The AQT8-IP allows the user to create a custom IP output from off-air and/or QAM input sources. The unit accepts eight 8VSB off-air or QAM sources and simultaneously outputs these SPTS and/ or MPTS programs in IP. At the same time, the AQT8-IP can be configured in Pass Through mode, which directly maps the demodulated RF port content in MPTS format to IP output.

The AQT8-IP can accept encrypted QAM sources, and output the encrypted IP transport streams programs in MPTS or SPTS formats, while preserving the MPEG tables (PAT, PMT, PSIP, VCT, and MGT) from the source. The unit allows the user to change the PID, program number, short name, and major/minor channel (PSIP) information on any program.

The AQT8-IP features Emergency Alert System (EAS) program switching through either an ASI or IP format EAS input, and terminal block contacts for triggering EAS messages.



Features

- Encrypted QAM sources can be mapped to IP MPTS or SPTS formats in Pass Through mode for Remote PHY and Switch Digital applications
- Accepts up to *eight* RF inputs in 8VSB/QAM format
- Provides one common 8VSB/QAM input port with an internal active splitter
- PSIP manipulation
- Accepts EAS input in ASI or IP formats
- Supports EAS switching-based on contact closure trigger, or +5 to +12 VDC input
- Comprehensive GUI-based remote monitoring and control via any standard Web browser

Ordering Information

Model	Stock #	Description
AQT8-IP	6280B	ATSC/QAM Transcoder; 8VSB/QAM input; Customizable IP output with EAS

Input

Connectors	8VSB/QAM: 8x "F" Female 1x Common "F" Female with Internal Active Splitter
8VSB Mode	Standard: ATSC Digital Television A/53E Tuning Range: UHF (Ch. 14-69), VHF (Ch. 2-13) Data Rate: 19.392 Mbps Bandwidth: 6 MHz Power Level: -20 to +20 dBmV Impedance: 75 Ω
QAM Mode	Standard: ITU-T J.83 - Annex A & B (64 & 256 QAM) CATV Ch. 2-158 (STD, HRC, IRC) Data Rate: 38.8 Mbps (QAM 256); 26.97 Mbps (QAM 64) – Auto Detect Bandwidth: 6 MHz Power Level: -15 to 20 dBmV (@ QAM 256) -20 to 20 dBmV (@ QAM 64) Impedance: 75 Ω
Emergency Alert System	
ASI	Connector: 1x BNC Female Standard: DVB-ASI; EN 50083-9 (SPTS)
IP	Connector: 1x RJ45 Standard: UDP/10/100Base-T RTP: Video Bit Rate: Supported (user-selectable) The EAS program bit rate must not exceed the lowest program video bit rate it will replace. <i>Example:</i> EAS at 2.5 Mbps will not work for a program at 2.0 Mbps.
Trigger	Connectors: Terminal Block Trigger Mechanism: 5-12 VDC and Dry Contact Closure

Output (Customizable)

IP	Connectors: 1x RJ45 (Rear-panel) Standard: 1000Base-T Ethernet (GigE) UDP: Supported Address Assignment: 64x IPv4 SPTS address & port numbers 8x IPv4 MPTS address & port numbers
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Alarms/Monitoring/Control

Local Monitoring:	8x Channel LEDs 1x Power LED 1x
Local Control:	IP Reset Button
Remote Monitoring/Control:	GUI-based menu via standard Web browser (1xRJ45 on rear panel; 10/100Base-T)

General

Dimensions (W x D x H):	19.0 x 16.0 x 1.75 inches (483 x 363 x 44 mm)
Power:	110/230 VAC, 0.7/0.35 A, 60/50 Hz
Power Consumption:	27 W
Weight:	12 lbs (5.5 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating/Storage Humidity:	0 to 95% RH @ 35 °C max, non-condensation

Related Products

Model	Stock #	Description
AQT8-QAM/IP	6281B	ATSC/QAM Transcoder; 8VSB/QAM input; QAM + IP output with EAS

