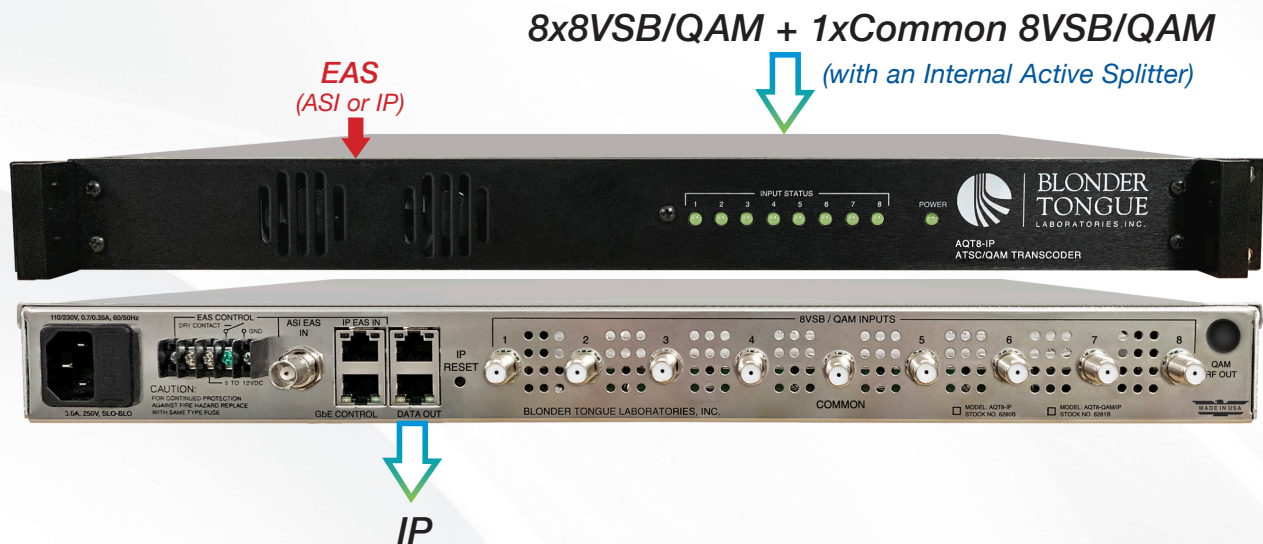


The **AQT8-IP** allows the user to create a custom IP output from off-air and/or QAM input sources. The unit accepts eight 8VSB off-air or QAM sources and simultaneously outputs these SPTS and/ or MPTS programs in IP. At the same time, the **AQT8-IP** can be configured in Pass Through mode, which directly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

Specifications

Input

Connectors 8VSB/QAM:	8x "F" Female 1x Common "F" Female with Internal Active Splitter
8VSB Mode Standard: Tuning Range: Data Rate: Bandwidth: Power Level: Impedance:	ATSC Digital Television A/53E UHF (Ch. 14-83), VHF (Ch. 2-13) 19.392 Mbps 6 MHz -20 to +20 dBmV 75 Ω
QAM Mode Standard: Tuning Range: Data Rate: Bandwidth: Power Level: Impedance:	ITU-T J.83 - Annex B (64 & 256 QAM) CATV Ch. 2-158 (STD, HRC, IRC) 38.8 Mbps (QAM 256); 26.97 Mbps (QAM 64) - Auto Detect 6 MHz -15 to 20 dBmV (@ QAM 256) -20 to 20 dBmV (@ QAM 64) 75 Ω
Emergency Alert System	
ASI Connector: Standard:	1x BNC Female DVB-ASI; EN 50083-9 (SPTS)
IP Connector: Standard: UDP/RTP: Video Bit Rate:	1x RJ45 1000Base-T (GigE) 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: Trigger Mechanism:	Terminal Block 5-12 VDC and Dry Contact Closure

Alarms/Monitoring/Control

Local Monitoring:	8x Channel LEDs 1x Power LED
Local Control:	1x IP Reset Button
Remote Monitoring/Control:	GUI-based menu via standard Web browser (1xRJ45 on rear panel; 1000Base-T)

Output (Customizable)

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

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:	7.4 lbs (3.35 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