

“In today’s fast-paced, market, Digital television is a new way to broadcast the future. Digital Set Top Boxes have become a key component allowing people to access many services offered by the cable operator”

Modulators/Multiplexer/Scrambler IP QAM (SIXTEEN OUTPUTS)AD-3670

AD-3670 Sixteen Outputs Multiplexer+Scrambler+QAM Modulator converts input data streams into Radio Frequency (RF) signals. The modulator supports 8 MHz and 6 MHz bandwidth. The converted RF signal is mixed with other relevant analog signals or QAM signals for contribution. The signal includes MPEG-2 digital signal, digital broadcast, VOD, and other digital signals such as video conference, Internet and IP phone. The Re-multiplexer support from 2 to 8 channels of MPEG-2 TS encoding signal. The outputs can support a mix signal channel with multi-program TS. The input and output interface adopt standard ASI for DVB. The Re-multiplexer can be used in HFC net, MMDS or 8GHz microwave system, and even connected with SDH.

Features

- Supports a large buffer memory design which improves code stream uniformity and reliability
- Multiple simultaneous independent or multiplexed frequency signal outputs
- DVB-C standards compliant
- Gigabit Ethernet stream input interfaces
- FEC functions can correct multiple input streams efficiently and accurately
- Modular design for RF frequency output Multicast and Unicast input stream support
- PSI/SI information tables parse, modification, replacement, and retransmission
- On-screen and front panel failure and warning alarm notification.
- Support for over 44 frequency NIT mapping and transmission
- Self-adapting filtering circuit design to maximize reliability and availability ITU-T J.83A and B standards compliant
- -20dB monitoring interface with IF output
- LCD display
- Null data input filtering and stuffing data output stuffing
- Auto-identification of 188/204 packet data TCP/IP
- Ethernet interface for remote maintenance, configuration, and monitoring
- Non-volatile configuration memory
- 8 PID filtering and re-mapping
- Real-time monitoring and display of current and pre-configured stream bitrate
- IPQAM(Eight Outputs)

WE IDENTIFY THE BEST
TECHNOLOGIES TO FIT YOUR
GOALS AND BUDGET.
WE THEN ENSURE THOSE
TECHNOLOGIES CONTINUE TO
WORK WELL INTO THE FUTURE.

Modulators/Multiplexer/Scrambler

IP QAM Modulator AD-3670

Technical specification

QAM/MULTIPLEXER/SCRAMBLER

Constellation: 64QAM to 256QAM
Symbol ratio: 1-7MbaudS
Encode: RS encode
MER: ≥ 36 dB
Data rate: 56Mbps

Input Data Interface

Network interface: RJ-45 TCP/IP Gigabit Ethernet

Intermediate Frequency (IF)

IF output format: optional
IF output: 35.25/36.15/36.65/44MHz
Output level: 100dBuV
Impedance: 50 Ω

Radio Frequency output specification

Frequency range: 48-860MHz
Output level: 50-60 dBmV
Phase noise: >95 dBc@10KHz
Impedance: 75 Ω

Monitoring Interface

Network interface: RJ-45 TCP/IP Ethernet

Physical characteristics

Dimension: 44.5mm (1U)*483mm*(19")*400mm
Weight: 4kg

Power supply

AC100-220V+10 - 50/60Hz -20W

Working Temperature

Operation: 0 – 40C°
Storage: -20 - 80 C°

