

“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”

QAM MODULATOR/MULTIPLEXER **AD-3650/DS1**

AD-3650/DS1 Multiplexer + QAM Modulator.

AD3650/E 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

- Adopts great buffer memory designing, promote the output TS efficiency
- PCR correction function can correct various input data, respectively and accurately
- The function of NIT mapping and sending supports NIT mapping of over 44 frequency
- different PSI/SI information tables pick-up, parse and modification
- can replace and insert SI information
- Inputs the real time testing and displaying of the system and valid bite rate
- Inputs null data filtering and outputs data stuffing
- 10 PID filtering and re-mapping
- 188 and 204 packet auto-identify
- Outstanding self-adapting filtering circuit designs to maximal reliability and availability
- -20dB testing interface with IF output
- Failure alarming
- LCD display
- RJ45 Ethernet interface realizes remote maintenance, supervision and software upgrade
- Power off memory
- 8 ASI Inputs (Multiplexer)/QAM (one output) Modulator

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

Multiplexer/QAM Modulator AD-3650/DS1

Technical specification

QAM modulator/Multiplexer

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

Input data interface

ASI Interfaces: ITU-T -G.703 E3/DE3 (optional) -
BNC DVB ASI BNC
SPI interface: DVB -SPI / DE-25

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

Network interface

Network interface: RJ-45 Ethernet Interface

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°



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