

“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

QPSK Modulator AD-3710

AD3710 QPSK Modulator has FEC function correction, converts the input DVB TS into RF signals. The DVB standard TS contain MPEG-2 digital TV, digital radio, VOD and other kinds of digital signals of TV conference, internet, IP telephone, which transmitting according to DVB data transmission protocol.

AD-3710 QPSK modulator has a wide range of useful application in HFC, MMDS or 8GHz microwave system and other broadband digital systems. It can send other digital increment operation to hundreds and thousands of families. It can be configure remotely via internet.

Features

- 188 and 204 packet auto-identify
- Adopts great buffer memory to promote the output TS efficiency
- NIT mapping and sending, support 44 NIT mapping
- PID filtering and re-mapping
- PSI/SI information pick-up, parse and modification
- Outstanding self-adapting filtering circuit designs to maximal reliability and availability
- SI information replacement and insertion
- -20dB testing interface with RF output
- PCR correction function can correct various input data, respectively and accurately
- Input data null packet filtering and output data stuffing
- Show and inspect system input bit rate and valid bit rate real-time
- Failure alarming
- LCD display
- Rj45 Ethernet interface introduces remote maintenance, supervision and software upgrade
- Power off memory
- One ASI Inputs

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

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Technical specification

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QPSK modulator

Constellation: QPSK
Symbol ratio: 1-45MbaudS
FEC correction: 1/2, 2/3, 3/4, 5/6, 7/8
Data rate: 90Mbps

Input interface

ASI BNC DVB ASI BNC / ITU-T G703 E3/DE3
(optional)
SPI DVB SPI DE-25

RF (Radio frequency) output

RF frequency:
250-470MHz or 470-860MHz or 950-2150MHz
Output level: 50-60 dBmV
Impedance: 75Ω

Network interface

Network interface: RJ-45 Ethernet interface

Network interface

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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°

