

“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”

Modulator

COFDM QAM Modulator AD-3730

.AD-3730 COFDM Modulator

Ad3730 COFDM Modulator Converts input data stream up to DVB standard into radio frequency signals. This system meets DVB-T and EN300744 standards. Since it supports FEC and RS correction and encoding, it is convenient to communicate with other analog and digital signals. Signal according to DVB standard includes MPEG-2 digital TV, digital broadcast, VOD and other digital signals, such as video conference, Internet and IP phone, which is up to DVB contribution protocol. AD3730/1000 supports HFC, MMDS or 8GHz broadband digital systems and brings modern digital services to customers in rural areas.

Features

- 188 and 204 packet automatic identification
- 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
- Test Point (-20dBmV) with IF output
- PCR correction function can correct various input data, respectively and accurately
- 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.
- COFDM Modulator

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

Technical specification

COFDM QAM modulator

Constellation: QPSK/16QAM/64QAM
RS encoding: 204byte
Symbol ratio: 1~45MbaudS
FEC correction: 1/2, 2/3, 3/4, 5/6, 7/8
Valid bit ratio: 31.67Mbps max
Protecting time interval: 1/2, 1/8, 1/16, 1/32
IFFT: 2K/8K

Input interface

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

IF (Intermediate frequency) output

IF output: optional
IF frequency: Center frequency 35~37MHz
(adjustable)
Output level: 45 dBmV
Impedance: 50Ω

RF (Radio frequency) output

Frequency range: 48~860MHz
Output level: 50-60 dBmV (adjustable)
Impedance: 75Ω

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°

