

CMP360-8-CI

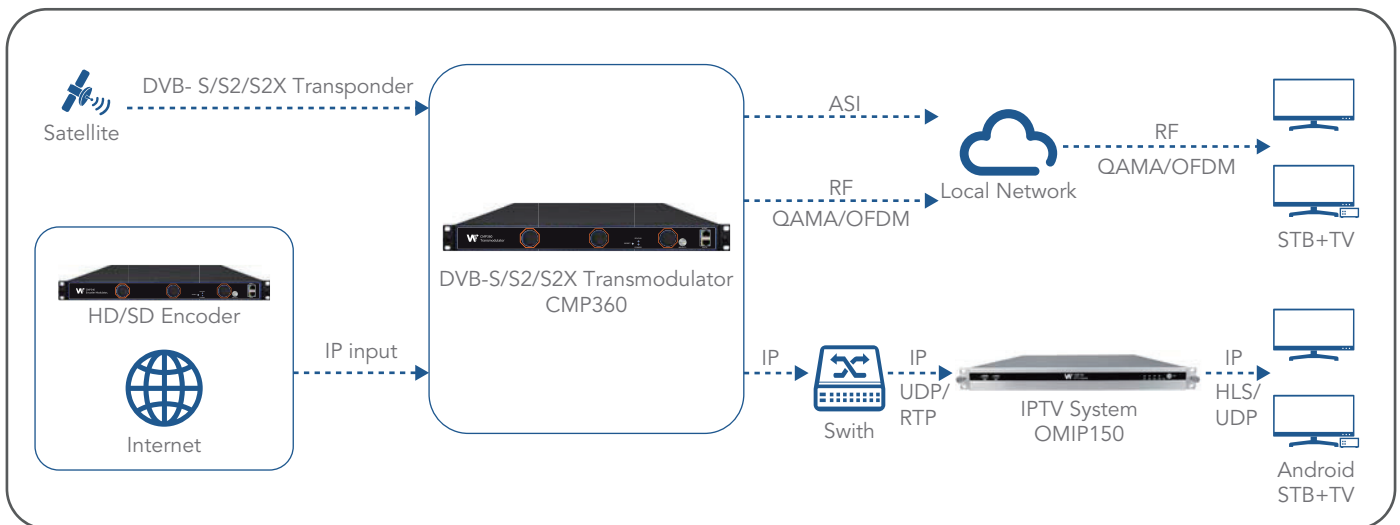
8-channel DVB-S/S2/S2X Transmodulator



INTRODUCTION

CMP360-8-CI is a cost-effective DVB-S/S2/S2X trans-modulator designed to receive programs from the satellite catering to high-density FTA or encrypted content reception of digital cable TV system and DTV system. The device supports 8 DVB-S/S2/S2X inputs and 8 QAMA or OFDM outputs as well as one ASI output. The 1RU trans-modulator can automatically recognize high-tier 32/64APSK constellation to receive any formats audio/video. And can easily multiplexes the IP streams and satellite programs to the same RF frequency. User-friendly Web UI makes you effortlessly to acquire signals from different transponders and complete the service level multiplexing to shape your brand new QAM/OFDM modulation through just a few clicks.

USAGE APPLICATIONS



ORDER INFORMATION

Model	Description
CMP360-8-CI	DVB-S/S2/S2X Trans-modulator, 8 x transponders receiving with FTA and encrypted programs, 2x CI slots, 119 IP outputs, 1 ASI output, 8x QAM/OFDM Modulation output

FEATURES

- 8 DVB-S/S2/S2X inputs, compliant with FTA and encrypted programs
- Embedded with 2 CI Slots for descrambling
- 8 QAM/OFDM Modulation out with independent constellation setting
- Powerful PSI/SI regeneration, service-level multiplexing and PID filtering
- Real-time TS analysis for DVB-S/S2/S2X input and QAMA or OFDM output streams
- Web-based network management and software upgrade with user-friendly GUI

SPECIFICATIONS

Input	
8 DVB-S/S2/S2X inputs	
Output	
1×RF female connector 1×RJ45 100/1000M IP output (MPTS/SPTS, UDP/RTP, up to 119 streams) 1×ASI output(MPTS/SPTS) up to 150M,BNC	
DVB-S/S2/S2X FTA Receiving	
Interface	C/Ku Band, 4 channels via 4 RF female connectors
LNB Voltage	13/18V
Frequency Range	950~2150MHz
LNB Power	Independent power supplies for each LNB
Constellation	DVB-S: QPSK DVB-S2: QPSK, 8PSK, 16APSK, DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK
Symbol Rate	DVB-S: 1~45Msps DVB-S2: 1~45Msps DVB-S2X: 1~34 Msps
FEC	DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB-S2X: 11/15, 7/9, 4/5, 5/6 (Normal FEC FECFRAME)
Signal Level	-70~-20dBm
Roll-off Factor	0.15, 0.20, 0.25, 0.35
LNB Current	Max. 400mA
DVB-S/S2/S2X CI Receiving	
Interface	C/Ku Band, 4 channels via 2 RF female connectors
LNB Voltage	13/18V
Frequency Range	950~2150MHz
LNB Power	Each 2 LNBs share one power supply
CI	2 x PCMCIA CI slots
CAM	Descrambled channel quantity depends on CAM capability, 2 CAMs could be different
Constellation	DVB-S: QPSK DVB-S2: QPSK, 8PSK, 16APSK, DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK
Symbol Rate	DVB-S: 1~45Msps DVB-S2: 1~45Msps DVB-S2X: 1~34 Msps
FEC	DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB-S2X: 11/15, 7/9, 4/5, 5/6 (Normal FEC FECFRAME)
Signal Level	-70~-20dBm
Roll-off Factor	0.15, 0.20, 0.25, 0.35
LNB Current	Max. 400mA

Multiplexing	
Service- level multiplexing, PID remapping (automatic or manual)	
PCR correction	
PSI/SI auto-generation	
QAMA Modulation	
QAM Channel	8 frequencies via 1 RF female connector, 75Ω
Standard	ITU-T J.83 Annex A/C
Frequency Range	47~862MHz, 1KHz step
Constellation	16QAM/32QAM/64QAM/128QAM/256QAM
Bandwidth	8MHz
Symbol Rate	3.6~6.9 Ms/s
MER	≥32dB
Output Level	Max.105dBμV
OFDM Modulation	
OFDM Channel	8 agile frequencies via 1 RF female connector 75Ω
Standard	ETSI EN 300744
Frequency Range	47~862MHz
Bandwidth	6/7/8MHz
Constellation	QPSK/16QAM/64QAM
Guard Intervals	1/4, 1/8, 1/16, 1/32
FFT Size	2K
Code Rates	1/2, 2/3, 3/4, 5/6, 7/8
Output Level	Max. 105dBμV
MER	≥32dB
System	
1* 100M RJ45 management port	
Web-based network management & software upgrade	
Physical& Environment	
Chassis Dimension	444mm x 44mm x 336mm (W x H x D), 1RU
Temperature Range	0~50 C (operation); -10~70 C (storage)
Input Voltage	100-240 VAC, 50/60Hz

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