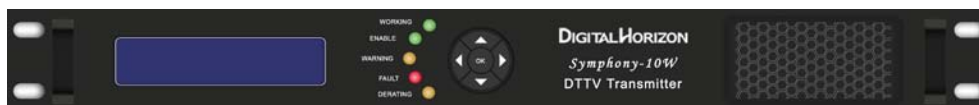


Digital Terrestrial & Mobile TV Transmitter (DVB-T/T2,ISDB-T/TB,ATSC,DTMB,DVB-H,FLO,CMMB)

Model: Symphony-5W/10W



Main Feature:

- Support major digital terrestrial and mobile TV standards, including DVB-T/T2,ISDB-T,ATSC,DTMB,DVB-H,FLO,CMMB
- 2 TS ASI inputs in redundancy mode
- PID Filtering and Insertion
- Constellation: QPSK, 16QAM, 64QAM, FFT: 2k, 4k, 8k
- Guard Interval: 1/4, 1/8, 1/16, 1/32, FEC: 1/2, 2/3, 3/4, 5/6, 7/8
- RF output power 5W/10W in compact 1RU chassis
- RF channel bandwidth: 6MHz, 7MHz, 8MHz
- Output frequency agile from 470MHz to 862MHz
- LDMOS wide band UHF amplifier technology
- Powerful linear and non-linear pre-correction
- Support crest factor adjustment
- Support SFN and MFN with MIP processing
- External and internal 10MHz and 1PPS inputs
- Front panel LED status monitoring and LCD menu
- IP Web control and supervision, SNMP in option
- Dual-exciter in option
- Satellite input and built-in GPS in option



Digital Terrestrial & Mobile TV Transmitter

Symphony-5W/10W



Technical Specification:

Input:

- ◆ Support DVB-T/T2, ISDB-T, ATSC, DTMB, DVB-H, FLO, CMMB standards
- ◆ 2 x ASI inputs in redundancy mode with clever switching, bit rate adaptation
- ◆ PID Filtering Insertion for TV program cut and Insertion
- ◆ Connector type: 2 BNC female, Impedance 75Ohm
- ◆ Satellite input in option

RF Output:

- ◆ Central frequency: 470MHz to 862MHz
- ◆ RF output power: 5W/10W digital
- ◆ Channel bandwidth: 6MHz, 7MHz, 8MHz
- ◆ Signal stability: +/-0.5dB
- ◆ Modulation error ratio(MER): >33dB in DVB-T
- ◆ Shoulders: >38dBc @±4.2MHz in DVB-T(8MHz)
- ◆ VSWR: 3:1 (self protected)
- ◆ Connector type: N-type female, Impedance 50Ohm

Pre-correction:

- ◆ Linear pre-correction: amplitude and group delay
- ◆ Non linear pre-correction: AM-AM, AM-PM

Adjustable Crest Factor :

- ◆ Crest factor range: 8-20dB
- ◆ Crest factor optimization range: 1-255

Clock Reference:

- Automatic 10MHz and 1PPS loss management
- ◆ Internal 10MHz
- Frequency derivation: <+/-0.3ppm; <1Hz with GPS
- Output level: 0dBm +/- 3dB
- ◆ External GPS
- 10MHz input level: -15dBm to +15dBm
- 1PPS input level: TTL level, pulse width: 1us
- ◆ Built-in GPS receiver option
- ◆ Built-in satellite receiver option

Control Mode:

- ◆ Local control: buttons, LCD screen, LEDs
- ◆ Remote control: User friendly man machine interface through RS-232 port and IP Web browser, SNMP in option

Physical:

- ◆ Power supply: AC 90-264V/50-60Hz
- ◆ Power Consumption: <72W for 5W transmitter <97W for 10W transmitter
- ◆ Operating temperature: -5 to +45 degrees
- ◆ Storage condition: -20 to 80 degrees
- ◆ Dimension: 482.6mm(W)x500mm(D)x44.3mm(H) (1RU)
- ◆ Weight: 8.9kg

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