

PACIFIC DSR3500CIP

Common Interface with Positioner Digital Satellite Receiver



FULL FEATURES

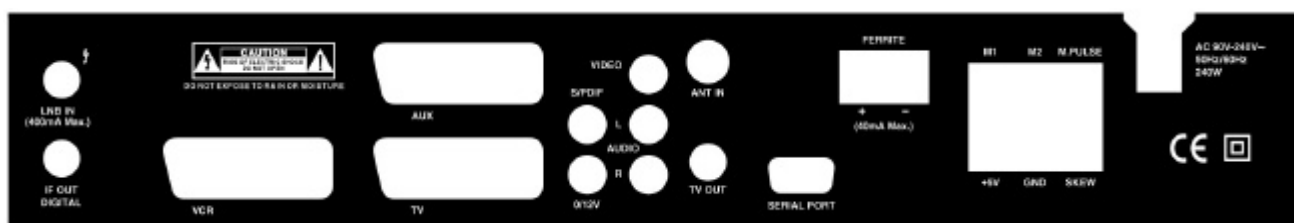
- MPEG-II Video(MP@ML)
- MPEG-I Audio layer 1, layer 2
- MPEG-II Digital & fully DVB compliant
- SCPC/MCPC receivable from C/Ku band satellites
- Capable of scanning the frequency for SMATV-IF system
- On Screen Display with 256 color full resolution
- Plug & Play installing program setup
- LD quality video, CD quality audio
- Variety of LNB polarity control, 13/18V, 0/22kHz tone, 0/12V, Mechanical, magnetic polarizer
- RS232C port for additional information service and updating of the receiver control software
- 4-digit 7-segment LED on the front panel displays channel information
- Displays local time on the front panel in standby mode
- Displays signal level to setup the satellite antenna
- Power recovery function
- 64-step volume control
- Powerful editing facilities; PIDs, TV or radio channel, Channel name, Satellite name / Transponders
- Teletext supported (re-inserted into VBI)
- Proprietary Echostar OSG menu for full integrated functions
- Favorite channel function
- Last channel memory function
- Variable aspect ratio (4:3, 16:9) with pan vector
- EPG for on-screen channel information
- Parental lock / Installation & Edit lock / Receiver lock
- Multi-lingual function when provided by the satellite and broadcasting service provider
- Total 5,000 channels programmable (TV : 4000 CH & Radio : 1000 CH)
- DiSEqC 1.0 compatible
- Mechanical and magnetic polarizer control for each satellite
- Channel storing for multi satellites
- Satellites : up to 100 satellites, 1300 transponders
- Built-in positioner (high power azimuth control (36Vdc, 5A)
- VCR timer (Position, channel, start time, stop time)
- Auto Sat position search
- Receiver-to-receiver download function for program and data transmission
- Software upgrade via Internet or Satellite
- Dolby AC3 digital audio bitstream out supported through S/PDIF output

COMMON INTERFACE

- Dual CAM Slots (Type I or Type II)
- Support IRDETO, VIACCESS, CONAX, CRYPTOWORKS, NAGRAVISION CA

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SPECIFICATION

DIGITAL TUNER, DEMODULATOR & FEC

IN/OUT connector : F type with loop through, 75 Ohm
Frequency range : 950MHz to 2150MHz
Input impedance : 75 Ohm
Signal level : -25 to -65dBm
IF Frequency : 480MHz
IF Bandwidth : 36MHz
LNB power & polarization : Vertical +13.5V ~ +14.5V

Horizontal +17.5V ~ +18.5V
22kHz tone : Frequency 22kHz \pm 2kHz
Amplitude 0.6Vp-p \pm 0.2Vp-p
Demodulation : QPSK
Input symbol rate : 2 ~ 32Msps
FEC decoder : Convolutional Code Rate
1/2, 2/3, 3/4, 5/6 and 7/8 with constraint Length K=7

MPEG TRANSPORT STREAM A/V DECODING

Transport stream : MPEG-II ISO/IEC 13818 Transport stream specification
Profile & level : MPEG-II MP@ML
Input T/S data rate : 80Mbit/S Max.

Aspect ratio : 4:3, 16:9 with pan vector
Video resolution : 720 x 576 (PAL), 720 x 480 (NTSC)
Audio decoding : MPEG audio layer 1 & 2, MUSICAM
Audio mode : Stereo, Dual channel, Joint stereo, Mono
Sampling rate : 32, 44.1 and 48 kHz

CPU & MEMORY

Main Processor : IBM PowerPC
Flash memory : Up to 2M bytes

Program DRAM : Up to 8M byte
EEPROM : Up to 16K bytes

A/V & DATA IN/OUT

SCART : TV x 1, VCR x 1, AUX x 1
RGB video out : TV SCART x 1, AUX x 1
0/12V Out : RCA x 1
CVBS Video Out : RCA x 1, SCART(TV, VCR, AUX)
S/PDIF : RCA x 1

Analog audio out : RCA x 2 (L-CH x 1, R-CH x 1)
SCART x 2 (TV, VCR)
Resolution 16bit DAC
Output Level 2Vrms Max
Volume & Mute control
Data interface : RS232C, Baud Rate 9600 ~ 115200, 9 Pin D-Sub

RF-MODULATOR

RF-connect : 75Ohm, IEC169-2, Male/Female
Output frequency : 470MHz to 860MHz

Output channel : CH 21 ~ 69
TV standard : PAL D/K, PAL B/G, PAL I

COMMON INTERFACE (CI)

SLOT : 2 Slots, Type I or Type II
PCMCIA : DVB Common Interface Standard

CA SYSTEM : Support IRDETO, VIACCESS, CONAX, CRYPTOWORKS, NAGRAVISION

Positioner

Satellite Position : 100
Azimuth & Skew Control : 6 Push terminal

Output Power : 36Vdc, 5A max (10 minute max)
Sensor Type : Reed or Hall Effect Switch
Ferrite Control : 2 Push terminal

POWER SUPPLY

Input voltage : AC90-240V, 50/60Hz Type Linear PWM
Power consumption : 40W Max. (<7W max. standby mode)

Protection : Separate internal fuse and chassis grounding and the input shall have lightning or electric shock protection.

PHYSICAL DIMENSIONS

Size (W x H x D) : 320mm x 60mm x 220mm
Weight : about 2.0 Kg

Operating temperature : +5°C ~ +50°C
Storage temperature : -40°C ~ +65°C

