

Operational Description

Digital Satellite Receiver (I PRO 2000)

General Specification

1) SYSTEM CAPACITY

Fully MPEG2, DVB complaint

2) DEMODULATION

QPSK demodulation and FEC decoding

in accordance with DVB prETS 300 421

Symbol rate (Rs) $2 < R_s < 45$ Mbaud

3) VIDEO DECODER

MPEG-2 Main Profile @ Main Level With Letter Box filter

Data rate up to 15Mbits/s

Video Formats 4:3, 16:9

4) AUDIO DECODER

MPEG-1 layer I and II, Musicam

Stereo Channel, Dual Mono, Joint Stereo Channel, Mono

Spdif with AC-3

5) PROCESSOR RESSOURCES

Microprocessor STi5100 AUC(STM)

SDRAM Memory 64Mbyte (DDR-RAM, 133MHz)

Flash memory 8Mbyte (4Mbit x16)

6) LNB INPUT

Input Frequency 950 to 2150 Mhz

Digital signal input level -65 to -25 dBm

LNB supply $13.5 \pm 0.5V$ / $18.5 \pm 0.7V$, max.750mA

Band switch control 22KHz (Microprocessor control)

Connector 2 x F-Type, 3/8-32UNEF-2A (1 Input / 1 Loop through)

Operational Description

7) Component Outputs (YUV)

Connector type : 3 x RCA (Y Pb Pr)

Output impedance 75Ω unbalanced

8) S-VHS Output

Video format Y,C

Output impedance 75Ω unbalanced

9) AUDIO OUTPUT

Connector type 2 x RCA (Left and Right)

Output impedance 600Ω unbalanced

10) Digital Audio Output

Connector type 1 x Optic

Output type Spdif encoded signals with ac-3

Sampling frequency rate 32 , 44.1 or 48khz

11) RF MODULATOR

RF Output Signal NTSC M

Video Carrier Frequency	61.25 ± 90 kHz	US 3 CH
	67.25 ± 90 kHz	US 4 CH

12) RS232 SERIAL DATA PORT

Connector 9 pin DB9(M)

Data protocol RS232C interface

13) USB

USB 2.0 interface

Connector type A type

14) ETHERNET

Connector type RJ45

IEEE 802.3 / 802.3u standards

10 BASE-T and 100 BASE - TX support

Operational Description

15) POWER SUPPLY

Type Switching mode

Main input voltage 90 - 250V AC @ 50Hz/60Hz±5%

Nominal power consumption 40W

16) CONNECTORS

1 LNB Input / 1 Loop through output (2F-type)

2 x Audio L/R (RCA)

1 x Video SIGNAL (RCA)

3 x YUV (RCA)

1 x RS-232 (9-pin D-sub male)

1 x RF Modulator (2F-type : IEC169-24)

1 x S-VHS (4-pin Mini-Din)

1 x Digital Audio Output (optic)

1x USB A-type

1x R J45 Type Ethernet

1 x AC Power Switch