

SatBlaster



Professional, 4 RU, High Density, Modular, DVB-S-S2 Blade Based IRD Receivers with Dual CAM Slot Support.

Product Description

The SatBlaster is an advanced modular IRD designed to enable professional broadcasters and IPTV operators who purchase content redistribution rights via decryption cards to redistribute content from satellite platforms via encrypted or unencrypted IP or other terrestrial means.

SatBlaster is designed to either forward the entire transport stream or only select services to its IP port. Since this product does not transcode, it passes all metadata and other embedded data received in the original transport stream.

Key Features

- Integrated Receiver/Decoder with two to eight dual tuner RF to IP modules
- Each module has two tuners for DVB-S/S2 inputs, for a total of up to 16 DVB-S/S2 inputs
- Web-based management (10/100 Base-T)
- Inputs: DVB-S (QPSK/8PSK) or DVB-S2, or IP (10/100M)
- Outputs: IP (UDP, RTP), HDMI, two independent DVB-ASI outputs, and/or CVBS (composite)

Applications

- Encrypted Content Repurposing for professionals
- OTT and IPTV for hotels, hospitals and cruise ships
- Multichannel satellite decryption for re-streaming

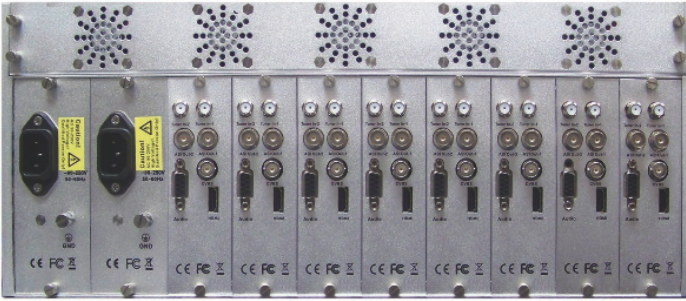


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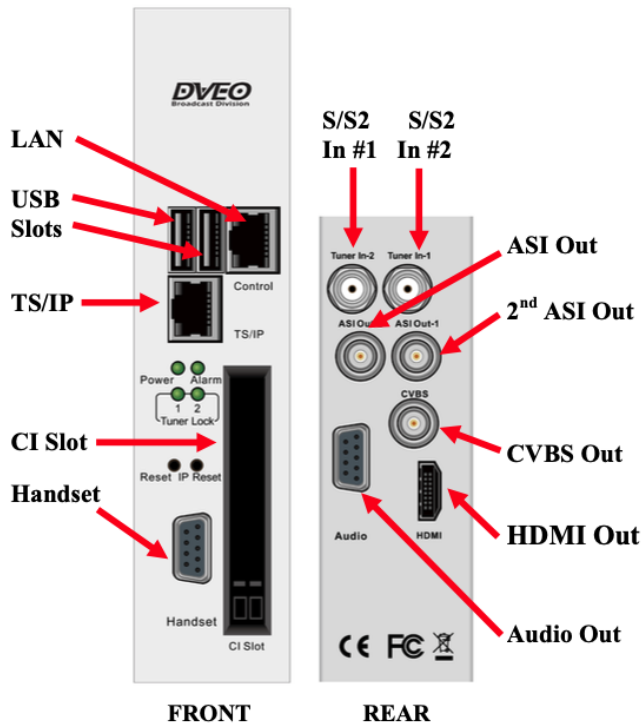
Front Connectors



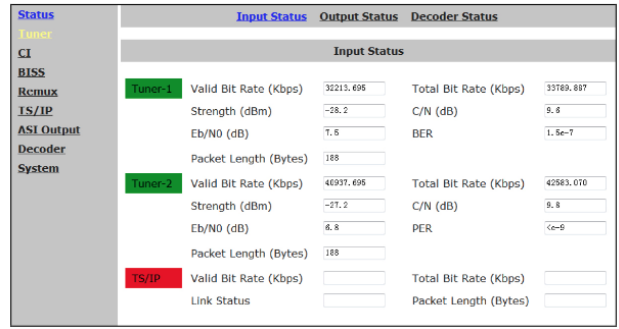
Rear Connectors



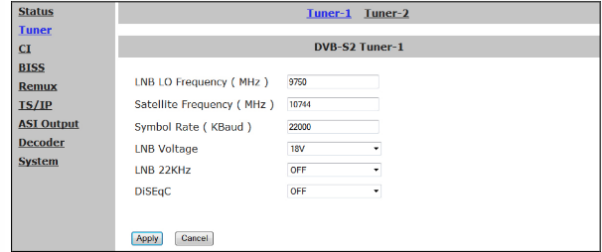
Input/Outputs Modules



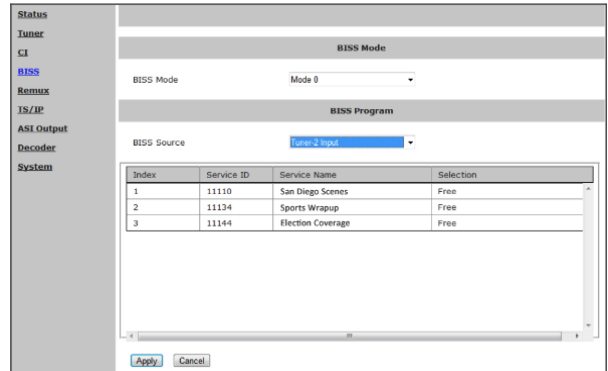
GUIs



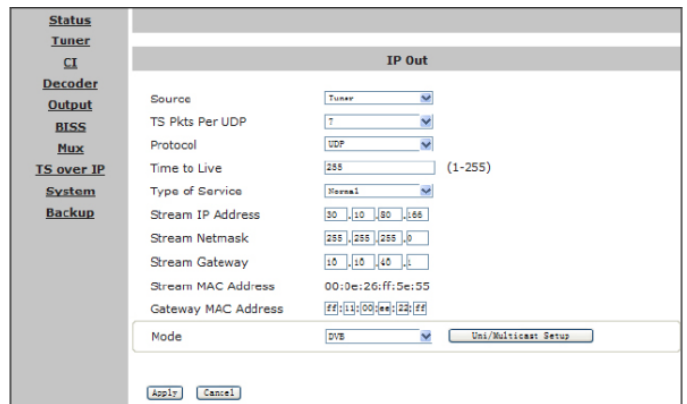
Status Screen



Tuner Status



BISS Setup



IP Output Setup

Specifications

DVB-S-S2 RF Input

- Connector Type: Two F type female 75Ω for input
- Input Frequency Range: 950 ~ 2150 MHz
- Input Level: -25 ~ -65 dBm
- Symbol Rate: DVB-S QPSK: 5~45 MS/s; DVB-S2 8PSK: 10~31 MS/s
- Roll-off Factor: DVB-S QPSK: 0.35; DVB-S2 8PSK: 0.35, 0.25, 0.2
- FEC Code Rate: DVB-S2 8PSK: 2/3, 3/4, 3/5, 5/6, 8/9, 9/10
DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- LNB Polarization: 0, 13V, 18V selectable, DiSEqC
- LNB Band Switching Tone: 0/22 KHz selectable

IP Input

- Connector Type: One RJ45, 10/100M for TS/IP
- Useful Bit Rate: 70 Mbps for 10/100M
- Protocols: UDP/RTP, Multicast Unicast, IGMPv2, ARP
- Unicast, Multicast: Supports maximum 32 channel Unicast/Multicast output

Transport Stream and CI Processing

- TS Input: Tuner 1, Tuner 2 or TS/IP input
- TS Output: Two independent ASI outputs
- Re-mux: Re-mux services, edit PSI/SI
- BISS Descramble: BISS-1, BISS-E
- Common Interface: Double PCMCIA slots, compatible with major CA CAMs in the market. Each CAM supports 8 decryptions.

ASI Output

- Connector Type: Two BNC Female, 75Ω
- Standard: DVB-ASI, EN50083-9
- Output Bit Rate: ≤160Mb/s

HDMI Output

- Connector Type: One HDMI output, HDMI 1.3 interface (up to 1080i)
- Video Resolution and Frame Rate: 1080i x 30, 1080i x 29.97, 1080 x 25, 720p x 60, 720p x 59.94, 720p x 50, 480p x 60, 576p x 50, 576i x 25, 480i x 29.97
- Audio Embedded: 1x Stereo or AC-3 Loop Through

Digital Video/Audio Processing

- Video Standards: MPEG-2 (MP@ ML for SD, MP@HL for HD), MPEG 4/H.264 AVC high profile level 4.1
- Audio Standards: MPEG-1 Layer-I/II, MPEG-2 Layer-II, LC-AAC, HE-AAC, AC-3, AC-3

Analog Video Output

- Connector Type: One F type female 75Ω
- Video Standards: NTSC, PAL, and SECAM
- Video Bit Rate: ≤50 Mbps

Analog Video Output

- Connector Type: DB9, 600Ω, has a DB-9 to XLR converter
- Output Type: Left, right, dual mono, stereo

Baseband Data Output

- Subtitles: DVB/EBU
- VBI: Teletext, WSS
- Closed Captioning: EIA 608, EIA 708, EIA 608-to-708

A/V Monitor

- Monitor Port: HDMI, CVBS

Control & Monitoring

- Connector Type: One RJ45, 10/100M, for Equipment IP Control
- Remote Control: SNMP, HTTP Web
- Local Control: Handheld Programmer Unit
- Software Upgrades: USB port or FTP loader

Physical & Power

- Size – 4 RU high: 19" chassis with 8 slots for modules and 2 slots for power supplies. 19 x 15.7 x 7 inches (W x D x H). 483 x 399 x 178 mm (W x D x H)
- Weight: 17.637 lbs. (8 kg)
- Power: AC 90V-250V, 150 Watts, 50-60 Hz (Hot backup power supply unit)
- Operating Temperature: 0 to 45°C (Includes Intelligent cooling system with temperature sensor)
- Storage Temperature: -10 to 60°C
- Operating Humidity: 10-90%, non-condensed
- Conformities: FCC, CE, RoHS



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