

Receiver

PowerVu® Model D9834 Satellite Receiver

Description

The PowerVu® Model D9834 Satellite Receiver is designed for satellite content distribution, and targets the business TV, private networks and SMATV environment. The receiver offers the capability to receive digitally encrypted video, audio, and VBI data. It provides a cost-effective, variable-rate solution to transition existing analog services to digital. Additional features include IP data and RS-232 utility data.



Ease of Use

The unit can be set up via the on-screen display menu, using a handheld infrared remote control, or navigation keys on the front panel of the receiver. Sixty-four (64) user-editable presets are provided for quick re-tuning to other broadcasts. The receiver also supports a Web interface and SNMP control via the Ethernet port.

Free-to-air Reception

This receiver is capable of receiving a DVB/MPEG compliant free-to-air broadcast.

Secured Broadcast Reception

Supporting the PowerVu conditional access with DES or DVB de-scrambling, this receiver can be used to receive secured corporate communication of video, audio and/or data broadcast. It can also be used for secured delivery of TV programming to hotels, MDUs, homes & commercial establishments such as restaurants, stores, etc.

Data Outputs

Data outputs can be used for distribution of documents, price lists, and video files, etc. Utility data (RS-232) can be used for smaller file transfer at a slower speed. DVB MPE IP data via a 10/100BaseT interface allows for connection to a local area network for larger file transfer and/or communication with multiple network clients.

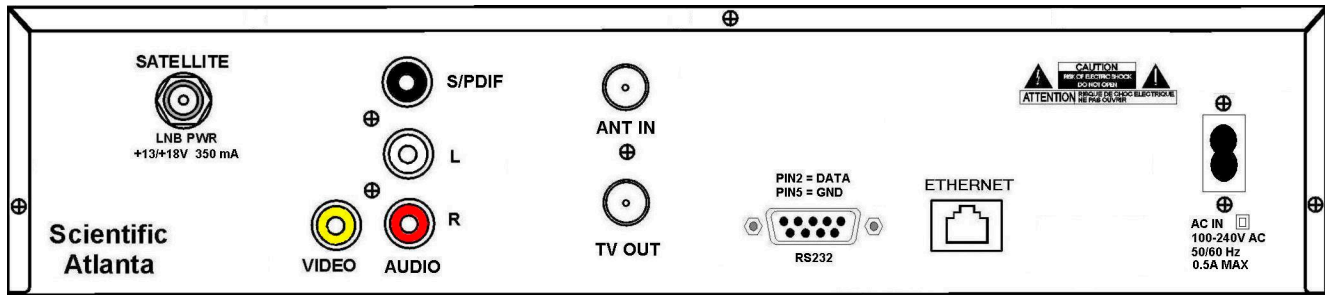
Features

- Variable QPSK symbol rates from 1 to 45 Msymbols/s
- PowerVu conditional access with DES & DVB de-scrambling
- 4:2:0 NTSC & PAL (B/G/I/D/M/N) video decoding
- MPEG & Dolby® Digital (AC-3) audio decoding
- DVB Subtitling
- Imitext™ Subtitling
- PowerVu VBI (including NABTS, WST)
- DVB VBI (WST, WSS, VPS)
- One unbalanced stereo pair of audio outputs
- Line 21 closed caption and V-chip support
- Fingerprint Trigger
- Service Replacement
- RS-232 Asynchronous data
- IP data at rates up to 10 Mbps
- Field upgradeable software and security
- Front panel 4-digit LED for channel display
- On-screen display menu for setup and status
- 64 user-editable preset configurations
- Lock levels for restricted access to configuration
- Web browser interface
- SNMP control

Specifications

Feature	Description	
System	MPEG-2/DVB Compatible EN 300 421, EN 300 468	De-modulation: QPSK FEC: Variable (1/2, 2/3, 3/4, 5/6, or 7/8)
Tuner	Symbol Rate Range: 1.0 to 45 Msymbols/s Input Level: -35 dBm to -65 dBm per carrier (< 5Msym) -25 dBm to -65 dBm per carrier (> 5Msym) Frequency Range: 950 MHz to 2150 MHz Tuning Step Size: 125 kHz	Carrier Capture Range: ± 3.0 MHz (5-45 Msym) Satellites: C-band and Ku-band Impedance: 75 Ω
Audio/Video Outputs	Analog Video Output Number of Channels: One Connector Type: RCA Video Decompression Type: MPEG-2 4:2:0 Level: 1.0Vpp $\pm 10\%$ Video Standard: NTSC & PAL B/G/I/D/M/N	Analog Audio Output Number of Channels: One stereo pair/two mono channels Connector Type: RCA Output Level: Unbalanced, 2 Vrms $\pm 10\%$ at 0 dBFS Audio Decompression: MPEG or Dolby Digital (AC-3) Digital Audio S/PDIF Output Connector Type: RCA
VBI	NTSC lines 10 to 22 fields 1 and 2 NABTS, AMOL I and II (Nielsen)	PAL lines 7 to 22 fields 1 and 2 WST, WSS, VPS
Data Outputs	RS-232 asynchronous data at rates up to 38.4 kb/s Rates: 300/1200/2400/4800/9600/19,200/38,400 b/s	Ethernet Output for IP data RJ-45, 10/100BaseT, up to 10 Mbps
Environmental/Physical	Operating Temperature: 0°C to 50°C (32°F to 122°F) Storage Temperature: -20°C to 70°C (-4°F to 158°F)	Physical Dimensions: 2.5 in. H x 12.0 in. W x 8.5 in. D (6.4 cm H x 30.5 cm W x 21.6 cm D) Weight: 5 lbs (2.3 kg) approx.
Power	Voltage Range: 100 V to 240 V AC Line Frequency: 50/60 Hz	Power Consumption: 35 W max. LNB Power on satellite input: +13 V/+18 V @ 350 mA max.

D9834 Satellite Receiver Rear Panel



Ordering Information

Description	Part Number
NTSC CH3/4 Modulator with NA cord	4005875
PAL UHF CH21-69 modulator with Europlug	4015303
PAL UHF CH21-69 modulator with no power cord (select from table below)	4015304

Country-specific Power Cords

Description	Part Number
UK power cord	1002798
Euro power cord	503414
Australia power cord	1002604
Argentina power cord	1002655
Brazil power cord	1003648
China power cord	1003670
India power cord	1003667

Options

Description	Part Number
Rack Mount Kit	4007403



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