

Allview 8VSB/HD-SDI+IPTM

Broadcast Quality, Frequency Agile, 2RU, 8VSB HDTV Receiver Demodulator Decoder with On Board HD or SD MPEG-2 or H.264 TS Decoder with RF (8VSB ATSC), IP Unicast or Multicast (FEC), or ASI in and SMPTE 310M, SDI, HD-SDI, Composite, or RGB Output. Dolby AC-3 and MPEG Audio Decoder with XLR Connectors. Ideal Receiver for Comprehensive Off Air Monitoring via RF or IP for Master Control or ENG Trucks. Includes Very High Quality HD LCD Monitor and High Quality Speakers. Features Many On Screen Diagnostics Displayed as Overlay. SNMP Management.



Features

- Inputs: Inputs may be 8VSB or QAM, IP with FEC, and DVB-ASI and SMPTE-310M signal
- Optional second 8VSB RF input
- Supports Pro-MPEG FEC
- Features 4.3 inch TFT-LCD monitor and 10 Watt speaker
- Includes CAM module and BISS-1/E and DVB-CI support
- Full support for PSIP with table parsing and display
- Outputs: HD-SDI, SDI, DVB-ASI, analog component (YPbPr or RGB), or composite (NTSC or PAL) MPEG or AC-3 audio
- Signal from 75 ohm BNC connector
- May choose or automate choice of digital stream from 8VSB or DVB-ASI or SMPTE-310M or IP signal. Auto switching with sync loss.
- Selected digital stream is supplied in DVB-ASI and SMPTE-310M format signal
- Dual MPEG-2 (HD/SD) decoding, single MPEG-4/H.264 decoding (single audio decoding only)
- H.264 (MPEG-4)/MPEG-2 MP@HL compliant video decoder supplies digital and analog video signal
- Digital video signal compliant with SMPTE-259M or SMPTE-292M (SDI) with embedded 8 channel audio (SMPTE-299M)
- Dolby Digital® AC-3, HE-AAC, and MPEG-1/2 5.1 channel audio decoder. SAP is option.
- Dolby Digital® AC-3 or PCM stereo audio selectable over BNC connector
- Dolby Prologic compatible stereo audio output on one XLR connector and one D-Sub 9P connector
- RGB video signal with 1080i/720p/576p/ 576i (480i) video mode
- 2 Lines by 40 characters LCD display
- PSIP/EIA-608, 708 closed caption compliant
- Down converts HD input to SD out
- Firmware upgradeable via Internet or USB
- USB 2.0 Support
- SNMP (10/100/1000 Ethernet) management support

Overview

The **Allview 8VSB/HD-SDI+IP** is a new generation Professional HDTV frequency agile 8VSB receiver that demodulates all terrestrial frequencies and supplies crystal clear digital or analog video with the 8VSB format used by Broadcast Professionals in the U.S. and South Korea. It not only functions as a broadcast demodulator but also works extremely well as a professional H.264 and MPEG-2 decoder.

The output of the demodulator is available on either DVB-ASI or SMPTE 310M connectors. With its IP, DVB-ASI, or its 8VSB inputs, it is able to decode transport streams up to 45 mbps. Designed to support all the industry standard forms of the DVB standard, it supports 576i/480i, 576p/480p, 720p and 1080i decoding. Supported video outputs include both digital and analog formats with HD-SDI with embedded audio, SDI, YPrPb, RGB, and composite. A useful feature is its ability to automatically switch between RF and IP inputs.

Audio support is via embedded audio or via XLR connectors. Audio support includes analog audio output (L, R) on XLR's. For Dolby Pro Logic audio output there is a front panel control to enable Pro Logic surround sound audio on the two XLR's. For users looking for digital audio via PCM or compressed audio, the output TS via the BNC connectors and the outputs here are enabled via the MAIN/AUDIO/DIGITAL LCD menu. The compressed audio on the BNC has a Dolby AC-3 with 5.1 channels.

Applications

- 8VSB receiver with monitor for OB vans
- HDTV receiver/demodulator
- Standard or high definition MPEG-2 or H.264 decoder with IP in
- Decoding ASI or SMPTE 310M streams with PID filtering



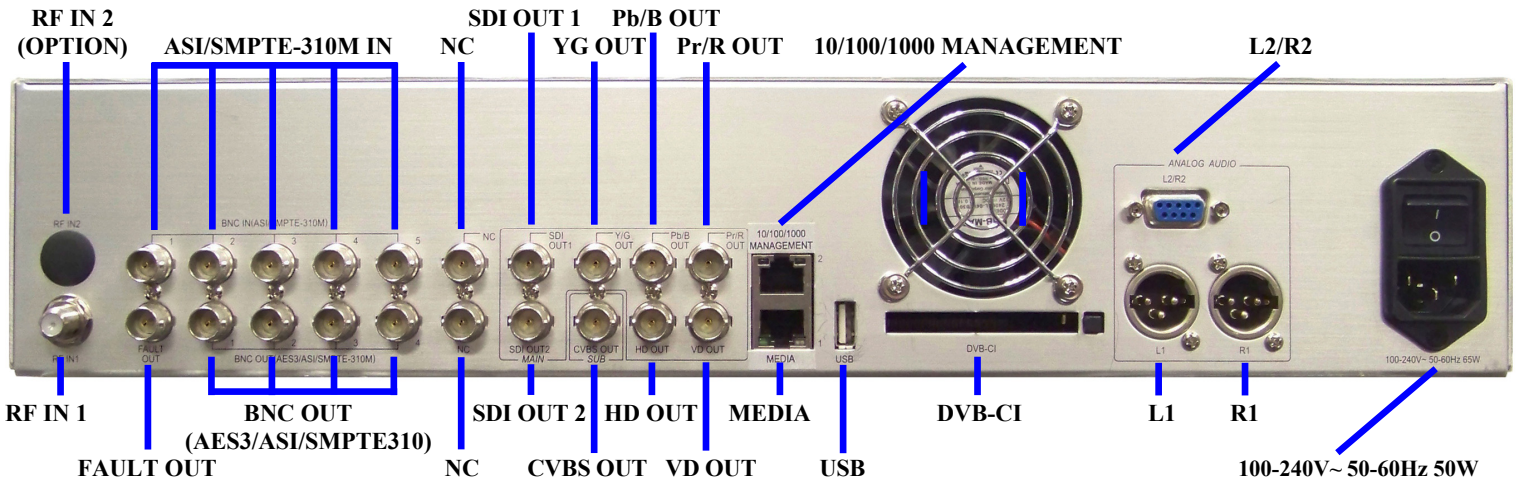
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Rear View



Specifications

Front Display/Keys	<ul style="list-style-type: none"> 4.3 inch TFT-LCD 10 watt speaker 18 keys for Easy Control LOCK, ENTER, EXIT, ARROW, and Numeric Keys
8VSB RF Input	
Channel:	950-2150 MHz RF Selectable
Connector:	2 x 75 Ohm BNC-type Connector
Sensitivity:	> 43.5 dB μ V (VHF) > 35.4 dB μ V (VHF HIGH) > 35.4 dB μ V (VHF LOW)
TS Input	
Format:	SMPTE 310M or DVB-ASI (Select ASI or 310M at front panel)
Connector:	75 ohm BNC
TS Output	
Format:	SMPTE 310M or DVB-ASI
Connector:	75 ohm BNC
Audio Output	
Signal:	AES3-id (Select ASI or 310M or AES3-id output at front panel)
Connector:	75 ohm BNC
Format:	Dolby AC-3 audio with 5.1, AAC, MPEG 1/2, PCM
1st Audio Output:	Connector: XLR connector (AES 3-id)
Optional 2nd Audio Output (SAP):	Connector: D-sub 9p connector
Audio Pairs Decoded:	Standard – Select any one of four stereo pairs Optional – audio decoder board for selecting one additional stereo pair, for a total of 2 of 4 stereo pairs
Audio Levels:	Set to +4dBm for -20dBFS digital audio contents when the audio attenuation menu is set to zero. The audio level can be attenuated using the front panel audio configuration menu.

Digital Audio Output	<p>Choose either PCM mode or COMPRESSED audio output mode for MAIN channel. The chosen audio mode is used for all BNC output ports. You can have PCM mode only for the SUB channel.</p> <p>You may have COMPRESSED audio out of MAIN channel over BNC port and PCM audio out of SUB channel over BNC port.</p>
Amplifier/Speakers	One 10W amplifier and speaker for L+R channel
Component Video Output	
Formats:	1080i/720p/576p/480p/576i/480i
Connector:	BNC connector YPbPr/RGB Selectable
Composite Video Output	
Signal:	NTSC/PAL
Connector:	75 ohm BNC
Digital Video Output (SDI)	SMPTE299M/SMPTE292M with embedded audio
Media Ethernet	10/100/1000 Mbps MPEG over RTP/UDP, FEC supported
USB 2	Connector: Type "A"
Fault	Relay contact on signal loss
Conditional Access	BISS-1/E and DVB-CI
Network Management	NMS supported through SNMP
CPU and RAM	MIPS 300 MHz 32 bit RISC
Operating Temperature	+0 ~ +45°C (32 to 113°F)
Storage Temperature	-20 ~ +50°C (-4 to 122°F)
Operating Humidity	10 to 90%, non-condensing
Power Supply	AC 100-240V ~ 50-60 Hz 50W Max
Dimensions – 2 RU 19-inch rackmountable	HxWxL: 3.4 x 19 x 14.5 inches (8.63 x 48.26 x 36.83 cm)
Weight	12.7 lbs. (5.66 kg)
Conformities	FCC, RoHS CE Mark: Electromagnetic Compatibility Directive 2004/108/EC Low Voltage Directive 2006/95/EC

Ordering Info

- Allview 8VSB/HD-SDI+IP – 8VSB Version
- Allview 8VSB/HD-SDI+IP/RF – Optional 2nd 8VSB RF input
- Allview 8VSB/HD-SDI+IP/+SAP – 8VSB Version with SAP
- Allview IP+ASI/HD-SDI+IP – IP Version
- Allview S-S2/HD-SDI+IP – DVB-S+S2 Version
- Allview T+T2/HD-SDI+IP – DVB-T+T2 Version