

# Allview IP+ASI/HD-SDI™

**Broadcast Quality, Frequency Agile, 2 RU, DVB-S-S2 Receiver Demodulator with On Board Standards Compliant HD or SD MPEG-2 or H.264 TS Decoder with RF DVB-S2 or TS over IP Input (with Pro-MPEG FEC), and ASI, SDI, HD-SDI, Composite, RGB, or IP Output. Optional 8VSB Input Instead of DVB-2-S2. Includes CAM Slot. Dolby AC-3 and MPEG Audio Decoder with XLR Connectors. Ideal Receiver for Complete Signal Monitoring in Small Spaces such as ENG Trucks or Earth Stations. 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 IP with FEC, DVB-S, DVB-S2, and DVB-ASI
- Optional 2nd DVB-S+S2 RF input
- Optional 8VSB input instead of DVB-2-S2
- Supports Pro-MPEG FEC on IP input
- 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: IP, HD-SDI, SDI, DVB-ASI, analog component (YPbPr or RGB), or composite (NTSC or PAL) MPEG or AC-3 audio
- May choose digital stream from satellite or DVB-ASI or IP signal with or without auto switching on loss of "lock"
- Selected digital stream is supplied in DVB-ASI, IP, or 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
- 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 IP+ASI/HD-SDI** is a new generation Professional HDTV frequency agile DVB-S and DVB-S2 receiver that demodulates all satellite frequencies and supplies crystal clear digital or analog video with all formats used by Broadcast Professionals in Europe, USA, Canada, Mexico, and 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 DVB-S/DVB-S2 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, IP, 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

- Satellite or "over the air" receiver with monitor for OB vans
- HDTV receiver/demodulator
- Standard or high definition MPEG-2 or H.264 decoder with IP in
- Decoding IP, ASI, or SMPTE 310M streams with PID filtering
- Video Audio signal checks



**Computer Modules, Inc.**

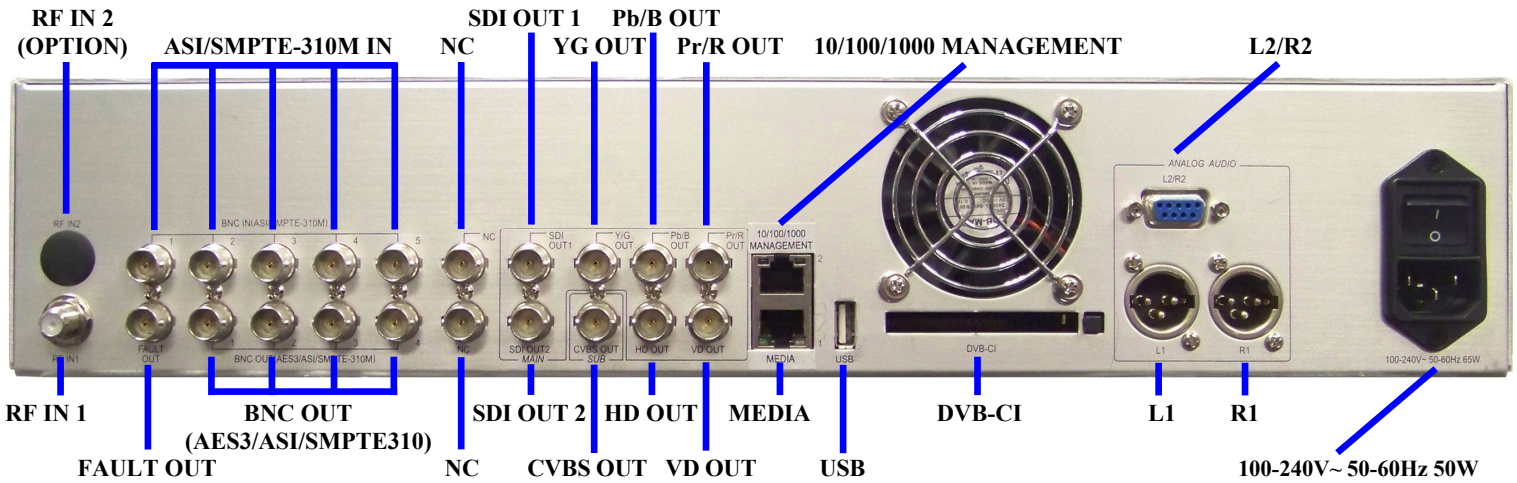
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# Rear View



## Specifications

<b>Front Display/Keys</b>	<ul style="list-style-type: none"> <li>4.3 inch TFT-LCD</li> <li>10 watt speaker</li> <li>18 keys for Easy Control</li> <li>LOCK, ENTER, EXIT, ARROW, and Numeric Keys</li> </ul>
<b>DVB-S2/S RF Input</b>	
Channel:	950-2150 MHz RF Selectable
Connector:	2 x 75 Ohm BNC-type Connector (DVB-T+T2 Option available)
Symbol Rate:	DVB-S2 (8PSK/QPSK): 10 ~ 30 Msps DVB-S (QPSK): 2 ~ 45 Msps
<b>TS Input</b>	
Format:	SMPTE 310M or DVB-ASI (Select ASI or 310M at front panel)
Connectors:	75 ohm BNC, RJ-45
<b>Audio Output</b>	
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)
2nd Audio Output:	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	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. You may have COMPRESSED audio out of MAIN channel over BNC port and PCM audio out of SUB channel over BNC port.
Amplifier/Speakers	One 10W amplifier and speaker for L+R channel

<b>TS Output</b>	
Format:	SMPTE 310M or DVB-ASI (Select ASI or 310M at front panel)
Connectors:	75 ohm BNC, RJ-45
<b>Component Video Output</b>	
Formats:	1080i/720p/576p/480p/576i/480i
Connectors:	BNC connector, YPbPr/RGB Selectable
<b>Composite Video Output</b>	
Signal:	NTSC/PAL
Connector:	75 ohm BNC
<b>Digital Video Output (SDI)</b>	
SMPTE259M/SMPTE292M with embedded audio (SMPTE-299M)	
<b>Media Ethernet</b>	
10/100/1000 Mbps	
<b>USB 2</b>	
Connector: Type "A"	
<b>Fault</b>	
Relay contact on signal loss	
<b>Conditional Access</b>	
BISS-1/E and DVB-CI	
<b>Network Management</b>	
NMS supported through SNMP	
<b>CPU and RAM</b>	
MIPS 300 MHz 32 bit RISC	
<b>Operating Temperature</b>	
+0 ~ +45°C (32 to 113°F)	
<b>Storage Temperature</b>	
-20 ~ +50°C (-4 to 122°F)	
<b>Operating Humidity</b>	
10 to 90%, non-condensing	
<b>Power Supply</b>	
AC 100-240V ~ 50-60 Hz 50W Max	
<b>Dimensions – 2 RU 19-inch rackmountable</b>	
HxWxL: 3.4 x 19 x 14.5 inches (8.63 x 48.26 x 36.83 cm)	
<b>Weight</b>	
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 IP+ASI/HD-SDI+IP – IP Version
- Allview S-S2/HD-SDI+IP – DVB-S+S2 Version
- Allview S-S2/HD-SDI+IP/2RF – Optional 2nd DVB-S+S2 RF input
- Allview 8VSB/HD-SDI+IP – 8VSB Version
- Allview T+T2/HD-SDI+IP – DVB-T+T2 Version

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