



ADV-8000 is a compact modular digital TV headend in 1RU chassis with redundant power supply. It is powerful and flexible solution that allows users to build or update DTV or IPTV headend to meet the requirements of today's new network architectures.

ADV-8000 has 6 independent module slots and built-in multiplexer/remultiplexer.

By inserting up to 6 functional modules, ADV-8000 integrates all DTV headend functions, such as DVB signal reception, descrambling, decoding, encoding, transcoding, multiplexing, remultiplexing, scrambling, modulation, etc.

Each module can be configured individually via ADV-8000' control port using WEB GUI interface.

ADV-8000' flexible high density design and low cost makes it perfect for new generation broadcasting and IPTV systems.

Key Features

- **Flexible combination of different type of modules**
- **Supports up to 6 modules**
- **Built-in multiplexer, connected internally to all modules via IP (max 350 Mbps per module)**
- **1 ASI output**
- **2 GbE outputs from built-in multiplexer, unicast/multicast, RJ45/SFP interfaces:**
 - **TS/IP1: up to 512 SPTS (UDP, RTSP/RTP)**
 - **TS/IP2: 2 MPTS (UDP, RTP)**
- **Redundant Power Supply**
- **Web management, updates via web GUI**

Dimension(W×L×H): 482mm×410mm×44mm

Environment: 0~45 °C(operation); -20~80 °C(Storage)

Power requirements: AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

List of available modules

1. **AD504 - 4 ASI/IP multiplexer - 4 ASI inputs/outputs, 512 IP inputs - page 3**
2. **AD505 - 5 ASI in/out multiplexer - 5 ASI inputs/outputs - page 3**
3. **AD506 - IP multiplexer – up to 512 IP inputs/outputs - page 3**
4. **AD214/214A – 4-channel MPEG-2 SD encoder with 4 CVBS inputs - page 4**
5. **AD214B – 4-channel MPEG-2/H.264 SD encoder with 4 CVBS inputs - page 4**
6. **AD218S - 8-Channel H.264 SD encoder with 8 CVBS inputs - page 5**
7. **AD202A – 2-channel MPEG-2/H.264 encoder/transcoder with 2 HDMI inputs - page 5**
8. **AD202A-D – 2-channel MPEG-2/H.264 encoder/transcoder with 2 SDI inputs - page 6**
9. **AD224 - 4-channel H.264 HD encoder with 4 HDMI inputs - page 6**
10. **AD224V1 – 4K UHD H.265/H.264 encoder with 4 HDMI inputs - page 7**
11. **AD224V2 – H.265/H.264 HD encoder with 4 HDMI inputs - page 8**
12. **AD224V2S – H.265/H.264 HD encoder with 4 HD-SDI inputs - page 9**
13. **AD202 - 2-channel MPEG2<>H.264 transcoder with IP inputs/outputs - page 10**
14. **AD316/AD332 – 16/32-channel DVB-C modulator with 512/1024 IP inputs - page 10**
15. **AD308T - 8-channel DVB-T modulator with 256 IP inputs - page 11**
16. **AD308AT – 8-channel ATSC modulator with 256 IP inputs - page 11**
17. **AD306I – 6-channel ISDB-Tb modulator with 192 IP inputs - page 12**
18. **AD902 – 2 Tuners DVB-S/S2 Receiver with descrambling - page 13**
19. **AD912 - 2 Tuners DVB-C Receiver with descrambling - page 13**
20. **AD904B - 4 Tuners FTA DVB-S/S2/S2X Receiver / IPTV Gateway - page 14**
21. **AD924 - 4 Tuners DVB-C/T/T2/ISDB-T Receiver / IPTV Gateway - page 15**
22. **AD702 - 2-channel decoder with 2 HD//SD-SDI outputs - page 15**
23. **AD714 - 4-channel decoder with 4 HDMI outputs - page 16**

Modules Specifications:

4 ASI/IP Multiplexer



AD504

AD504 Specifications:

ASI inputs/outputs: 4 ASI bi-directional, BNC 75Ω

IP inputs/outputs: 2 Ethernet Port (100/1000M)

Internal IP connection to ADV-8000' built-in multiplexer

Re-multiplexing: PID remapping, PCR correction, generates PSI/ SI table automatically

Inputs: up to 4 ASI inputs; up to 256×2 IP inputs (SPTS/MPTS)

Packet format: 204/188, self-adaptation

Outputs:

- up to 4 ASI outputs (max 200 Mbps per channel), up to 4 IP outputs (SPTS/MPTS) via GE1 and GE2;
- 1 IP MPTS (up to 350 Mbps) to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS.IP2 GbE ports.

5 ASI in/out multiplexer



AD505

AD505 Specifications:

ASI inputs/outputs: 5 ASI bi-directional, BNC 75Ω

Internal IP connection to ADV-8000' built-in multiplexer

Inputs: up to 5 ASI inputs

Packet format: 204/188, self-adaptation

Re-multiplexing: PID remapping, PCR correction, generates PSI/ SI table automatically

Outputs:

- up to 5 ASI outputs (max 200 Mbps per channel)
- IP MPTS (up to 350 Mbps) to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS/IP2 GbE ports

IP Multiplexer



AD506

AD506 Specifications:

IP input: 512 SPTS or MPTS input over UDP, RTP, Unicast and Multicast thru GE1 Ethernet Port (100/1000M)

Re-multiplexing: PID remapping, PCR correction, generate PSI/ SI table automatically

IP output: 512 SPTS output over UDP, RTP, Unicast and Multicast through GE2 Ethernet Port (100/1000M)

4-channel CVBS Encoder



AD214/AD214A

AD214/AD214A Specifications:

Input: 4 CVBS video, 4 Stereo Audio (DB9 to RCA)

Output: 1 MPTS and 4 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG-2 (4:2:0)

Image format: PAL, NTSC SD signal

Input resolution: 720×480_60i, 544×480_60i, 352×480_60i, 352×240_60i,
320×240_60i, 176×240_60i, 176×120_60i, 720×576_50i,
704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i,
176×288_50i, 176×144_50i

GOP structure: IP, IBP, IBBP, IBBBP

Video bitrate: 0.5Mbps~8Mbps per channel

Support CC (closed caption)

Audio Encoding:

Audio format: MPEG-1 Layer 2, DD AC3 (2.0)

Sampling rate: 48KHz

Resolution: 24-bit

Audio bitrate: 128/192/256/320/384kbps each channel

Supports Logo, Caption, QR Code insertion (for AD214A only)

4-channel CVBS Encoder



AD214B

AD214B Specifications:

Input: 4 CVBS video, 4 Stereo Audio (DB9 to RCA)

Output: 1 MPTS and 4 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG-2, MPEG4 AVC/H.264

Image format: PAL, NTSC SD signal

Resolution:

PAL: 720*576/352*288/320*240/320*180/176*144/160*120/160*90@50Hz

NTSC:

720*480/352*288/320*240/320*180/176*144/160*120/160*90@59.94Hz

Rate Control: CBR/VBR

GOP structure: IBBPB

Video bitrate: 0.5~5Mbps

Audio Encoding:

Audio format: MPEG1 Audio Layer 2, LC-AAC, HE-AAC V2

Sampling rate: 48KHz

Resolution: 24-bit

Bit-rate: 48-384Kbps each channel

Supports Logo, Caption, QR Code insertion

8-channel CVBS Encoder



AD218S

AD218S Specifications:

Input: 8 CVBS video, 8 Stereo Audio (DB15 to RCA)

Output: 1 MPTS and 8 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG4 AVC/H.264

Image format: PAL, NTSC SD signal

Resolution: 720×576i, 720×480i

Rate Control: CBR/VBR

GOP structure: IPP

Video bitrate: 1~7Mbps each channel

Audio Encoding:

Audio format: MPEG-1 Layer 2

Sampling rate: 48KHz

Resolution: 24-bit

Bit-rate: 64/128/192/224/256/320/384Kbps each channel

Supports Logo, Caption, QR Code insertion

2-channel HDMI Encoder/Transcoder



AD202A

AD202 Specifications:

Input: 2*HDMI, 2*BNC for CC (Closed Caption)

Output: 1 MPTS and 2 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG2 & MPEG4 AVC/H.264

Input resolution:

1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i,

1280*720_60p, 1280*720_50P, 720*480_60i, 720*576_50i

Rate control mode: CBR/VBR

Aspect ratio: 16:9, 4:3

Video bitrate: 0.8~19Mbps for MPEG-2 /H.264 encoding

Support CC (closed caption)

Audio Encoding:

Audio format: MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC,

Dolby Digital AC3 (2.0) encoding (Optional); AC3 (2.0/5.1) passthrough

Sampling rate: 48KHz

Audio bitrate: 64Kbps-320kbps each channel

Video Transcoding:

2*MPEG2 HD → 2*MPEG2/H.264 HD; 2*MPEG2 HD → 2*MPEG2/H.264 SD;

2* H.264 HD → 2*MPEG2/H.264 HD; 2* H.264 HD → 2*MPEG2/H.264 SD;

4 *MPEG2 SD → 4 *MPEG2/H.264 SD; 4* H.264 SD → 4 *MPEG2/H.264

SD

Audio Transcoding:

MPEG-1 Layer 2, AC3 (Optional) and AAC any-to-any

2-channel SDI Encoder/Transcoder



AD202A-D

AD202-AD Specifications:

Input: 2*HD-SDI and stream connector

Output: 1 MPTS and 2 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG2 & MPEG4 AVC/H.264

Input resolution:

1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P, 720*480_60i, 720*576_50i

Rate control mode: CBR/VBR

Aspect ratio: 16:9, 4:3

Video bitrate: 0.8~19Mbps for MPEG-2 /H.264 encoding;

Support CC (closed caption)

Audio Encoding:

Audio format:

MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC,

Dolby Digital AC3 (2.0) encoding (Optional), AC3 (2.0/5.1) passthrough

Sampling rate: 48KHz

Audio bitrate: 64Kbps-320kbps each channel

Video Transcoding:

2*MPEG2 HD → 2*MPEG2/H.264 HD; 2*MPEG2 HD → 2*MPEG2/H.264 SD;

2* H.264 HD → 2*MPEG2/H.264 HD; 2* H.264 HD → 2*MPEG2/H.264 SD;

4 *MPEG2 SD → 4 *MPEG2/H.264 SD; 4* H.264 SD → 4 *MPEG2/H.264 SD

Audio Transcoding:

MPEG-1 Layer 2, AC3 (Optional) and AAC any-to-any

4-channel HDMI Encoder



AD224

AD224 Specifications:

Input: 4*HDMI

Output: 1 MPTS and 4 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:

Video format: MPEG-4 AVC/H.264

Input resolution:

1920×1080_60P, 1920×1080_50P, 1920×1080_60i, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i

GOP structure: IBBP

Video bitrate: 0.8Mbps~19Mbps each channel

Rate Control: CBR/VBR

Audio Encoding:

Audio format: MPEG1 Layer II, (MPEG-2 AAC, MPEG-4 AAC Optional), AC3 passthrough

Sampling rate: 48KHz

Resolution: 24-bit

Audio bitrate: 64Kbps~320Kbps each channel

Audio Gain Control: 0-400



4-channel HDMI Encoder



AD224V1

AD224V1 Specifications:

Input: 4× HDMI (1.4) inputs, HDCP 1.4

Output: 1 MPTS and up to 4 SPTS output over UDP/RTP/RTSP

Video Encoding:

Video format: HEVC/H.265 & MPEG 4 AVC/H.264

Resolution:

3840×2160_30P, 3840×2160_29.97P;

(Encoding: 2 CHs per module for H.265 or 1 CH for H.264)

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

(Encoding 4 CHs per module for H.265 or 2 CHs for H.264)

1280×720_60P, 1280×720_59.94P, 1280×720_50P

(Encoding 4 CHs per module for H.264 or H.265)

Chroma: 4:2:0

Bit rate: 0.5Mbps~20Mbps (each channel)

Rate Control: CBR/VBR

GOP structure: IBBP, IPPP

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2

Sampling rate: 48KHz

Bit-rate (each channel):

48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC)

18 Kbps~56 Kbps (HE-AAC V2)

Audio Gain: 0~255

4-channel HDMI Encoder



AD224V2

AD224V2 Specifications:

Input: 4× HDMI (1.4) inputs, HDCP 1.4

Output: 1 MPTS and up to 4 SPTS output over UDP/RTP/RTSP

Video Encoding:

Video format: HEVC/H.265 & MPEG 4 AVC/H.264

Resolution:

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

(Encoding: 4 CHs per module for H.265 or 2 CHs for H.264)

1280×720_60P, 1280×720_59.94P, 1280×720_50P

(Encoding: 4 CHs per module for H.264 or H.265)

Input: 1920×1080_60i, 1920×1080_59.94i, 1920×1080_50i

Output: 1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P

(Encoding 4 CHs per module for H.265 or 2 CHs for H.264)

Chroma: 4:2:0

Bit rate: 0.5Mbps~20Mbps (each channel)

Rate Control: CBR/VBR

GOP structure: IBBP, IPPP

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2

Sampling rate: 48KHz

Bit-rate (each channel):

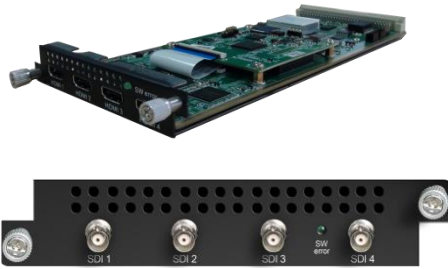
48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC)

18 Kbps~56 Kbps (HE-AAC V2)

Audio Gain: 0~255

4-channel HD-SDI Encoder



AD224V2S

AD224V2S Specifications:

Input: 4× HD-SDI inputs

Output: 1 MPTS and up to 4 SPTS output over UDP/RTP/RTSP

Video Encoding:

Video format: HEVC/H.265 & MPEG 4 AVC/H.264

Resolution:

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

(Encoding: 4 CHs per module for H.265 or 2 CHs for H.264)

1280×720_60P, 1280×720_59.94P, 1280×720_50P

(Encoding: 4 CHs per module for H.264 or H.265)

Input: 1920×1080_60i, 1920×1080_59.94i, 1920×1080_50i

Output: 1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P

(Encoding: 4 CHs per module for H.265 or 2 CHs for H.264)

Chroma: 4:2:0

Bit rate: 0.5Mbps~20Mbps (each channel)

Rate Control: CBR/VBR

GOP structure: IBBP, IPPP

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2

Sampling rate: 48KHz

Bit-rate (each channel):

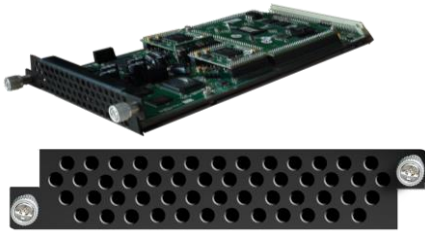
48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC)

18 Kbps~56 Kbps (HE-AAC V2)

Audio Gain: 0~255

2 IP Transcoding Module



AD202

AD202 Specifications:

Input/Output: Internal IP connector

Resolution: 480i, 576i, 720P@50, 720P@60, 1080i@50, 1080i@60, 1080P@50, 1080P@60

Video Tanscoding:

2*MPEG-2/ H.264/ AVS/AVS+ HD/SD → 2* H.264 HD/SD

Video Bit-rate: 1~19.5Mbps each channel

Rate Mode: CBR/VBR

GOP Structure: IBBP, IPPP, IBP

AudioTanscoding:

MPEG-1 Layer II, LC/HE-AAC, AC3, DRA→ MPEG-1 Layer II, LC/HE-AAC

Audio bitrate: 64/96/128/192/256/320/384Kbps

Audio Gain Control: 0-100

16/32-channel QAM Modulator



AD316/AD332

AD316/AD332 Specifications:

Input: 512 or 1024 IP inputs over UDP/RTP, 2 GE Ports Data 1 and Data 2 (RJ45/SFP), Internal IP connector

Output: 16 or 32 IP output over UDP/RTP/RTSP, unicast/multicast, 2 GE Ports Data 1 and Data 2 (RJ45/SFP)

Trans rate: Max 840Mbps/GE Port

RF output (F type): 16/32 channels of multiplexing, scrambling and modulation.

Multiplexing:

Maximum PID Remapping: 180 output pids per channel for AD316, 256 output pids per channel for AD332

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/SI table automatically

Scrambling:

Maximum simulcrypt CA: 4

Standard: ETR289, ETSI 101 197, ETSI 103 197

Connection: Local/remote connection

Modulation:

Standard: EN300 429/ITU-T J.83A/B (DVB-C)

MER: ≥40dB

RF frequency: 50~960MHz, 1KHz step

RF output level: -20~+10dBm (87~117 dBμV), 0.1dB step for all carriers

Symbol Rate: 5.0Msps~7.0Msps, 1ksps stepping

Constellation: 16/32/64/128/256QAM

AD316 Output: 16 non-adjacent carrier outputs within 192M bandwidth

AD332 Output: 32 non-adjacent carrier outputs within 384M bandwidth

8-channel DVB-T Modulator



AD308T

AD308T Specifications:

IP input: 256 IP input over UDP/RTP, 2GE Ports Data 1 and Data 2 (RJ45/SFP)
 IP output: 8 IP output over UDP/RTP/RTSP, unicast/multicast, 2 GE Ports (RJ45/SFP)
 Trans Rate: Max 840Mbps/GE Port
 RF Output (F type): 8 non-adjacent carrier outputs within 192M bandwidth

Multiplexing:

Channel Number: 8 multiplexing channels
 Maximum PID Remapping: 180 output pids per channel
 Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/ SI table automatically

Modulation:

Standard: ETSI EN300 744
 MER: ≥ 40 dB
 RF Frequency: 50~960MHz, 1KHz step
 Constellation: QPSK/16QAM/64QAM
 Bandwidth: 6/7/8 MHz
 Trans mode: 2K/4K/8K
 FEC: 1/2, 2/3, 3/4, 5/6, 7/8
 RF Output Level: -20~+10dBm (for all carriers), 0.5dB step

8-channel ATSC Modulator



AD308AT

AD308AT Specifications:

IP input: 256 IP input over UDP/RTP, 2GbE Ports (RJ45/SFP)
 IP output: 8 IP output over UDP/RTP/RTSP, unicast/multicast, 2 GbE Ports (RJ45/SFP)
 Trans Rate: Max 840Mbps/GE Port
 RF Output (F type): 8 non-adjacent carrier outputs within 192M bandwidth

Multiplexing:

Channel Number: 8 multiplexing channels
 Maximum PID Remapping: 180 output pids per channel
 Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/ SI table automatically

Modulation:

Standard: ATSC A/53
 MER: ≥ 40 dB
 RF Frequency: 50~960MHz, 1KHz step
 Constellation: 8VSB
 Bandwidth: 6MHz
 FEC: RS(208 188)+Trellis
 RF Output Level: -20~+10dBm (for all carriers), 0.5dB step

6-channel ISDB-Tb Modulator



AD306I

AD306I Specifications:

IP input: 32×6 IP input over UDP/RTP, 2 GE Ports (RJ45/SFP)

IP output: 6 IP output over UDP/RTP/RTSP, unicast/multicast,
2 GbE Ports Data 1 and Data 2 (RJ45/SFP)

Trans Rate: Max 840Mbps/GE Port

RF output (F type): 6 channels of multiplexing and modulation.

Multiplexing:

Maximum PID Remapping: 180 output pids per channel

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/ SI table automatically

Modulation:

Standard: ARIB STD-B31

Bandwidth: 6M

Constellation: QPSK, 16QAM, 64QAM

Guard Interval: 1/32, 1/16, 1/8, 1/4

Transmission Mode: 2K, 4K, 8K

Code rate: 1/2, 2/3, 3/4, 5/6, 7/8

MER: $\geq 40\text{dB}$

RF frequency: 50~960MHz, 1KHz step

RF output level: -20dBm~+10dBm (87~117dB μ V), 0.1dB stepping

**2 Tuners DVB-S/S2
Receiver with descrambling**



AD902

AD902 Specifications:

Input: 2 Tuners DVB-S/S2, F Type

DVB-CI: 2 Independent common interface slots

Tuner Section	DVB-S	Input Frequency: 950-2150MHz Symbol Rate: QPSK 1~45Msps Signal Strength: -65~ -25dBm FEC Demodulation: 1/2, 2/3, 3/4, 5/6, 7/8
	DVB-S2	Input Frequency: 950-2150MHz Symbol rate: QPSK/8PSK 1~45Msps 16APSK 1~45 Msps 32APSK1~32 Msps FEC Demodulation: 1/2, 2/3, 3/4,5/6,7/8, 4/5,5/6,8/9, 9/10

Supports Diseqc function

Multiplexing:

Maximum PID Remapping: 256 output pids

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/ SI table automatically

Descrambling:

CAM/CI Quantity: 2

BISS Mode: Mode 1, Mode E; up to 120Mbps

Outputs: MPTS to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS/IP2 GbE ports.

**2 Tuners DVB-C Receiver
with descrambling**



AD912

AD912 Specifications:

Input: 2 Tuners DVB-C, F Type

DVB-CI: 2 Independent common interface slots

Tuner Section	DVB-C	Standard: J.83A(DVB-C), J.83B, J.83C
		Input Frequency: 30-960MHz
		Constellation: 16/32/64/128/256 QAM

Multiplexing:

Maximum PID Remapping: 256 output pids

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generates PSI/ SI table automatically

Descrambling:

CAM/CI Quantity: 2

BISS Mode: Mode 1, Mode E; up to 120Mbps

Outputs: MPTS to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS/IP2 GbE ports.

4 Tuners FTA DVB-S/S2/S2X Receiver / IPTV Gateway



AD904B

AD904B Specifications:

Inputs: 4 Tuner input, F Type

Outputs: MPTS to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS/IP2 GbE ports.

Standard: DVB-S/S2/S2X

Tuner Section:

DVB-S Input Frequency: 950-2150MHz

Symbol Rate: QPSK: 0.5~45 Msps

FEC Demodulation: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-S2 Input Frequency: 950-2150MHz

Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Msps;

32APSK: 0.5~40 Msps

FEC Demodulation: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

32APSK: 3/4, 4/5, 5/6, 8/9

DVB-S2X Input Frequency: 950-2150MHz

Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Msps;

8APSK/32APSK: 0.5~40 Msps

FEC Demodulation: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20

8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10, 23/36, 25/36, 13/18

8APSK: 5/9-L, 26/45-L

16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L,

26/45, 3/5, 3/5-L, 28/45,

23/36, 2/3-L, 25/36, 13/18,

7/9, 77/90

32APSK: 3/4, 4/5, 5/6, 8/9, 2/3-L, 32/45, 11/15, 7/9

Signal Strength: -65 ~ -25dBm

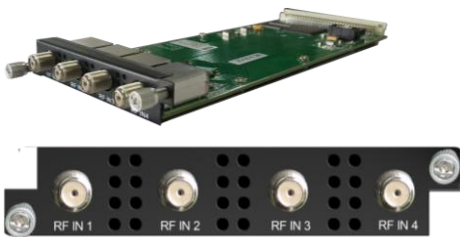
Supports Diseqc function

Multiplexing:

Max number of managing PID: 256

Function: PID remapping (automatically/ manually), Accurate PCR adjust, PID pass-through

4 Tuners DVB-C/T/T2/ISDB-T Receiver / IPTV Gateway



AD924

AD924 Specifications:

Input: 4 Tuners, F Type

Standard: DVB-C (J.83 A/C)/J.83B/ DVB-T/T2/ISDB-T user selectable

Standard: DVB-C (J.83 A/C); J.83B

Input Frequency: 60MHz~890MHz

Symbol rate: 1000~9000Ksps

Constellation: 16/32/64/128/256 QAM; 64/256 QAM for J.83B

Standard: DVB-T/T2

Frequency In: 60MHz~890MHz

Bandwidth: 5/6/7/8M bandwidth

PLP Index: 0~255 (for DVB-T2)

Standard: ISDB-T

Input Frequency: 60-890MHz

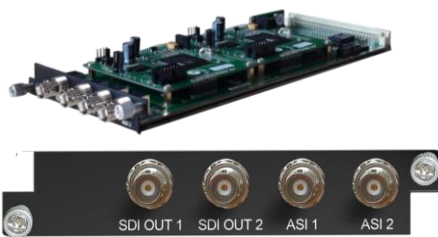
Multiplexing:

Max number of managing PID: 256

Function: PID remapping (automatically/ manually), Accurate PCR adjust, PID pass-through

Outputs: MPTS to ADV-8000' built-in multiplexer, which can output up to 512 SPTS and 2 MPTS via ADV-8000' TS/IP1 and TS/IP2 GbE ports

2-channel HD/SD-SDI Decoder



AD702

AD702 Specifications:

ASI input/output: 2 ASI bi-directions, BNC 75Ω

IP input: MPTS/SPTS via internal IP connector

2 HD/SD-SDI outputs

Decoding:

Video/Audio Out: 2 HD/SD SDI output

Video Format: MPEG-2, MPEG-4 AVC/H.264

Resolution: 480i,480p,576i,576p,720p@50/59.94/60,1080i@50/59.94/60

Chroma: 4:2:0

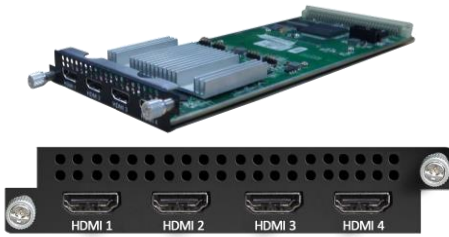
Audio Format: MPEG1 Layer2, LC-AAC, HE-AAC, AC3 (2.0/5.1), AC3 Passthrough,

Supports Dual Audio Output per video

Supports CC/Subtitle



4-channel HDMI Decoder



AD714

AD714 Specifications:

Input: IP (MPTS/SPTS) via internal IP connector

Output: 4 HDMI outputs

Decoding:

Video/Audio Out: 4 HDMI output with 1 channel stereo audio embedded in each port

Video Format: MPEG-2, MPEG-4 AVC/H.264, HEVC/H.265, AVS, AVS+

Audio Format: MPEG 1 Layer 2, LC-AAC, HE-AAC, AC3 (2.0)

Resolution: 480i, 480p, 576i, 576p, 1280×720_50p, 1280×720_60p, 1920×1080_50i, 1920×1080_50p, 1920×1080_60i, 1920×1080_60p

Supports resolution upscale/downscale