



ADV-8700 is a professional IRD / IPTV Gateway with powerful functionality.

It is equipped with 2 tuners, with choice of DVB-C/T/T2/ISDB-T, DVB-S/S2/S2X, ATSC to receive signal from satellite, cable or terrestrial devices.

It also supports digital TS input via both IP and ASI inputs.

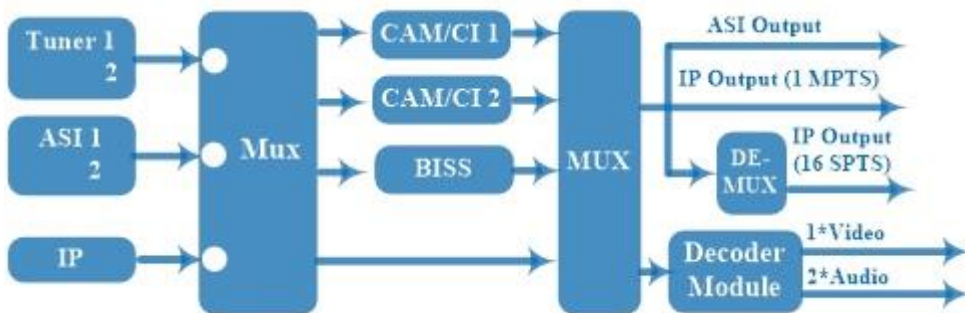
The ADV-8700's re-multiplexing capabilities enable creation of new transport streams by combining existing sources. Customized services may be output as 16 SPTS and one MPTS over IP, as well as over 2 ASI mirrored output ports. Through the dual DVB common interfaces, ADV-8700 has the capability to decrypt multiple services present in transport streams.

BISS decryption is also supported.

ADV-8700 is also a professional IRD that features a broadcast quality decoder for MPEG-2, MPEG-4 AVC/H.264 and H.265/HEVC in both Standard Definition and High Definition formats, and provides a variety of industry standard digital and analog outputs, including SDI, HDMI, CVBS video, and 2 stereo audio pairs.

ADV-8700 supports MPEG2, MPEG4 AVC/H.264 and HEVC/ H.265 video decoding, with up to 1080p resolution.

It supports MPEG 1 Layer II, LC-AAC, HE-AAC, HE-AAC V2, Dolby Digital/Dolby Digital Plus audio decoding and AC3 passthrough



Key Features

- **Demodulator + descrambler + re-mux + decoder in one box**
- **Choice of two DVB-C/T/T2/ISDB-T, DVB-S/S2/S2X, ATSC tuners**
- **2 ASI & 16 IP (UDP/RTP) inputs for re-mux**
- **Two CAMs, each can decrypt multiple programs from Tuner/ASI/IP**
- **BISS descrambling**
- **MPEG2, MPEG4 AVC/H.264, HEVC/H.265 video decoding**
- **HD/SD decoding: 480i, 576i, 720p, 1080i, 1080p**
- **HD/SD-SDI, HDMI, CVBS video outputs**
- **Audio Decoding: MPEG 1 Layer II, LC-AAC, HE-AAC, HE-AAC V2, Dolby Digital/ Dolby Digital Plus**
- **AC3 passthrough**
- **Audio output: two stereo audio pairs, HDMI embedded, SDI embedded, XLR, RCA, AES, SPDIF**
- **IP (1 MPTS & 16 SPTS) over UDP and RTP/RTSP output (unicast/multicast)**
- **Two ASI mirrored outputs as a copy of IP MPTS**
- **CC (EIA608, EIA708) and Teletext (only for SDI)**
- **Maximum 128 PID mapping per input**
- **LCD display, front panel and remote control, web NMS management**

Specifications

| | | | | |
|---|---|---------------------------|---------------------------------|--|
| Input | 2 Tuners, F type. Choice of DVB-C/T/T2/ISDB-T, DVB-S/S2/S2X, ATSC | | | |
| | 2 ASI inputs, BNC interface | | | |
| | 16 IP input for remux (UDP/RTP), RJ45 | | | |
| DVB-C/T/T2/ ISDB-T multi-mode tuner switchable | DVB-C | Input Frequency | 60~890 MHz | |
| | | Standard | DVB-C/J.83A, J.83C J.83B | |
| | | Constellation | 16/32/64/128/256 QAM 64/256 QAM | |
| | DVB-T | Input Frequency | 60MHz ~890 MHz | |
| | | Bandwidth | 6/7/8 M bandwidth | |
| | | Constellation | QPSK, 16QAM, 64QAM | |
| | DVB-T2 | Input Frequency | 60~890 MHz | |
| | | Constellation | QPSK, 16QAM, 64QAM, 256QAM | |
| | | Bandwidth | 1.7/5/ 6/7/8 M | |
| | ISDB-T | Input Frequency | 60~890 MHz | |
| Constellation | | DQPSK, QPSK, 16QAM, 64QAM | | |

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|--------------------|-----------------|--|---|
| DVB-S/S2/S2X tuner | DVB-S | Input Frequency | 950-2150MHz |
| | | Symbol rate | 0.5-45Msps |
| | | Signal Strength | -65 ~ -25dBm |
| | | FEC | 1/2, 2/3, 3/4, 5/6, 7/8 |
| | | Constellation | QPSK |
| | DVB-S2 | Input Frequency | 950-2150MHz |
| | | Constellation | QPSK, 8PSK, 16APSK, 32APSK |
| | | FEC | 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, 9/10 |
| | | Symbol rate | QPSK/8PSK/16APSK: 0.5~45 Msps; 32APSK: 0.5-40 Msps |
| | DVB-S2X | Input Frequency | 950-2150MHz |
| | | FEC | 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 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, 9/10, 2/3-L, 32/45, 11/15, 7/9 |
| | | Constellation | QPSK, 8PSK, 8APSK, 16APSK, 32APSK |
| Symbol rate | | QPSK/8PSK /16APSK :0.5~45 Msps 8APSK/32APSK: 0.5~40Msps | |
| | | | |
| ATSC tuner | ATSC | Input Frequency | 54MHz~858MHz |
| | | Bandwidth | 6M bandwidth |
| | | Constellation | 8VSB |
| Descrambling | CAM/CI Quantity | 2 | |
| | BISS Mode | Mode 0, Mode 1, Mode E; up to 120Mbps | |
| Output | IP output | 1*MPTS & 16*SPTS over UDP, RTP/RTSP, unicast/multicast 1000 Base-T Ethernet interface | |
| | 2 ASI | BNC interface, mirrored out | |

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|----------------|-------------------------|--|
| | Decode Output | <p>Video Interface: 1* CVBS/HDMI/3G/HD/SD-SDI (SDI1 and SDI2 mirrored out)</p> <p>Video Decoding: MPEG-2; MPEG4 AVC/H.264; HEVC/ H.265</p> <p>Resolution:1920×1080_60P, 1920×1080_50P; 1280×720_60P, 1280×720_50P; 480i, 576i</p> <p>Chroma: 4:2:0</p> <p>Audio Interface: 2 Stereo pairs: HDMI, SDI, DB-15 to (SPDIF, BNC, XLR, AES)</p> <p>Audio Decoding: MPEG 1 Layer II, LC-AAC, HE-AAC, HE-AAC V2, Dolby Digital/ Dolby Digital Plus</p> <p>Audio Output Mode: Left, Right, Stereo</p> |
| System | Local interface | LCD + control buttons |
| | Remote management | Web-server Management |
| | Upgrade | USB, web management |
| General | Power supply | AC 100V~240V, 50/60Hz |
| | Power Consumption | 20W |
| | Dimensions | 482*300*44.5mm |
| | Weight | 3.5 kgs |
| | Operational temperature | 0~45°C |

Ordering Info

ADV-8700S - Professional IRD with 2 DVB-S/S2/S2X tuners

ADV-8700A - Professional IRD with 2 ATSC (8-VSB) tuners

ADV-8700T - Professional IRD with 2 DVB-C/T/T2/ISDB-T tuners

ADV-8700ST - Professional IRD with 1 DVB-S/S2/S2X and 1 DVB-C/T/T2/ISDB-T tuners

ADV-8700SA - Professional IRD with 1 DVB-S/S2/S2X and 1 ATSC tuners

ADV-8700TA - Professional IRD with 1 DVB-C/T/T2/ISDB-T and 1 ATSC tuners