



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.

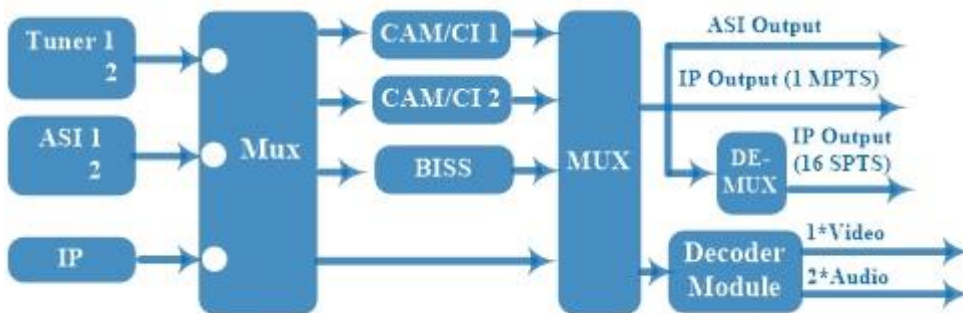
It also supports digital TS input via both IP and ASI inputs.

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

<b>Input</b>	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		
<b>DVB-C/T/T2/ ISDB-T multi-mode tuner switchable</b>	<b>DVB-C</b>	Input Frequency	60~890 MHz
		Standard	DVB-C/J.83A, J.83C   J.83B
		Constellation	16/32/64/128/256 QAM   64/256 QAM
		Symbol rate	1.0~7.0Msps
	<b>DVB-T</b>	Input Frequency	60MHz ~890 MHz
		Bandwidth	6/7/8 M bandwidth
		Constellation	QPSK, 16QAM, 64QAM
	<b>DVB-T2</b>	Input Frequency	60~890 MHz
		Constellation	QPSK, 16QAM, 64QAM, 256QAM
		Bandwidth	1.7/5/ 6/7/8 M
	<b>ISDB-T</b>	Input Frequency	60~890 MHz
		Constellation	DQPSK, QPSK, 16QAM, 64QAM

<b>DVB-S/S2/S2X tuner</b>	<b>DVB-S</b>	Input Frequency	950-2150MHz
		Symbol rate	0.3-45Msps
		Signal Strength	-65 ~ -25dBm
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		Constellation	QPSK
	<b>DVB-S2</b>	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: 0.3~45 Msps; 32APSK: 0.3-40 Msps
	<b>DVB-S2X</b>	Input Frequency	950-2150MHz
		FEC	<b>QPSK:</b> 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 <b>8PSK:</b> 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 <b>8APSK:</b> 5/9-L, 26/45-L <b>16APSK:</b> 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 <b>32APSK:</b> 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: 0.3~45 Msps 8APSK/32APSK: 0.3~40Msps	
<b>ATSC tuner</b>	<b>ATSC</b>	Input Frequency	54MHz~858MHz
		Bandwidth	6M bandwidth
		Constellation	8VSB
<b>Descrambling</b>	CAM/CI Quantity	2	
	BISS Mode	Mode 0, Mode 1, Mode E; up to 120Mbps	
<b>Output</b>	IP output	1*MPTS & 16*SPTS over UDP, RTP/RTSP, unicast/multicast 1000 Base-T Ethernet interface	
	2 ASI	BNC interface, mirrored out	

	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_60i, 1920×1080_50P, 1920×1080_50i, 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>
<b>System</b>	Local interface	LCD + control buttons
	Remote management	Web-server Management
	Upgrade	USB, web management
<b>General</b>	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**