

IRD6001/AW

Integrated Receiver Decoder

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DVB-S/S2/S2X – H.265/H.264/MPEG-2 – UHD/HD/SD IRD



KEY FEATURES

- DVB-S, DVB-S2 and DVB-S2X compliant
- MPEG-2/H.264/H.265/AVS+/AVS2 UHD/HD/SD video decoding
- Supports **redundant backup** between any two input sources
- T2-MI transport stream decapsulation as option
- **Cherry Picking/PID Filtering**
- PSI/SI/PSIP processing and regeneration
- TS & Service **multiplexing** as option
- Supports TS & EIT **pass-through**
- DRA/AC3/EAC3/AAC/MPEG audio decoding
- N°2 **CAM Slots** for Conditional Access
- BISS-1/E descrambling
- **Transport Stream ASI** input/output
- **Transport Stream over IP** input/output with **multicast/unicast** broadcasting in LAN/WAN network via two **GbE ports**
- Local control with **front panel LCD** and keypad
- **Remote control** LAN interface with web GUI and SNMP support

IRD6001/AW - TECHNICAL SPECIFICATIONS

DVB-S/S2 RECEIVER SPECIFICATIONS

Input (level/connector/impedance)	Approx. -25 to -65dBm / F female / 75Ω
Input frequency	950 to 2150MHz
Supported modulations	QPSK, 8PSK, 16APSK, 32APSK, 64APSK
Symbol rate	1 to 45MS/s (up to 34MS/s with 64APSK modulation)
Roll-off Factors	0.35, 0.25, 0.20, 0.15, 0.10, 0.05
LNB power supply	0V/13V/18V polarity switching, 22kHz on/off

VIDEO DECODER AND OUTPUT

Decoding formats	MPEG-2/MPEG-4/H.264 AVC/H.265 (HEVC)/AVS+/AVS P2
Resolution and frame rate	720 x 576i@25 720 x 480i@29.97, 30 720 x 480p@50, 59.94, 60 1280 x 720p@50, 59.94, 60 1920 x 1080i@25, 29.97, 30 1920 x 1080p@25, 30, 50, 59.94, 60 3840 x 2160@25, 30, 50, 60 (license option, HDMI only)
Standard	PAL, NTSC
Digital outputs	2x HD/SD/3G-SDI (BNC female), 1x HDMI
Analog output (SD only)	BNC Female / 1Vpp / 75Ω

AUDIO DECODER AND OUTPUT

Decoding formats	MPEG-1 Layer II, AAC LC, HE-AAC, HE-AACv2, Dolby Digital AC-3 / Plus E-AC3
Analog output	4 x BNC, 75Ω unbalanced 1 pair of analog balanced audio via 15 Pin D-sub (XLR breakout cable)
Digital output	AES/EBU via 15 Pin D-sub (BNC breakout cable), SDI embedded (1 stereo pair)

ASI INPUT AND OUTPUT

In/out connector and impedance	2x BNC input 75Ω, 2x BNC output 75Ω
Data packet format	188/204 Byte

T.S. over IP INPUT AND OUTPUT

Interface	2x GBE / RJ45 connectors
Speed	Up to 1000Mbps
IP Encapsulation	MPEG T.S. over IP (as per Pro-MPEG Code of Practice #3 release 2)
Broadcasting type	UDP/RTP/HLS/RTMP/SRT/ZIXI/RIST; unicast and multicast

DESCRIPTION – CONDITIONAL ACCESS

Interface	N°2 independent CI Slots (EN50221)
CAM Supported	NEOTION, SMIT, ASTON and other major CAMs
CAS Supported	CONAX, IRDETO, Novel-Super TV, CTI and other major CAS
BISS-1/E	Program level, Decoded Service only, TS level

GENERAL SPECIFICATIONS

Power supply	85-264Vac single phase
Operating temperature and humidity	0 to 50°C, <95% (non-condensing)
Housing	19" 1U rack chassis

All specifications contained in this document may be changed without prior notice.

ABE ELETTRONICA

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