

K Professional Audio IRD (Receiver & Decoder)

- DVB-S/S2/S2X or DVB-T/T2/C, ISDB-T Tuner
- 2x AES/EBU Digital Audio Outputs
- 2x Analog Balanced XLR Audio Outputs
- IP Input and IP Output



Product Overview

The BLANKOM IRA-3000 is a professional audio decoding device designed for demanding broadcast and headend environments. It features a highly versatile multi-standard tuner input supporting DVB-S/S2/S2X, DVB-C, DVB-T, DVB-T2, and ISDB-T, alongside 2 ASI and 2 IP inputs.

The IRA-3000 delivers excellent decoding quality and provides professional audio outputs via analog balanced XLR and AES/EBU digital interfaces. It is the perfect solution for receiving satellite radio broadcasts and reliably feeding audio into terrestrial transmitters or cable networks.

Key Features

- ✓ **Multi-Standard Tuner:** 1 tuner input DVB-S/S2/S2X, or DVB-C, DVB-T, DVB-T2, ISDB-T (switchable)
- ✓ **Versatile Input Interfaces:** Supports 2 ASI inputs and 2 UDP/RTP IP inputs via unicast or multicast.
- ✓ **Advanced Audio Decoding:** Broad format support including MPEG1 Layer2, MPEG-2 AAC, AC3, E-AC3, and DRA decoding.
- ✓ **Professional Audio Outputs:** 2 analog balanced audio outputs (XLR) and 2 AES/EBU digital audio outputs (XLR).
- ✓ **Flexible Audio Adjustments:** Left, right, and stereo sound track output with adjustable audio gain from -24 to +12dB.
- ✓ **IP Output:** 2 SPTS outputs over UDP/RTP protocol (unicast/multicast) for further IP distribution.
- ✓ **Hot-swappable dual redundant power supply** for guaranteed 24/7 operation
- ✓ **Easy Management:** Configuration via LCD/keyboard or user-friendly Web GUI Management

Applications

Satellite Radio Reception: Receive and decode high-quality audio broadcast programs directly from satellites via DVB-S/S2/S2X.

Terrestrial Broadcasting (FM/DAB): Decode incoming audio feeds and perfectly route them to terrestrial FM transmitters or central DAB Multiplexers.

Cable TV & Radio Headends: Re-modulate the decoded high-quality radio broadcasts and seamlessly inject them into DVB-C cable networks.

IPTV Headends: Feed the decoded high-quality radio broadcasts and seamlessly inject them into IPTV networks.

BLANKOM Highlights

Licensing: Lifetime license included; no recurring or annual fees required.

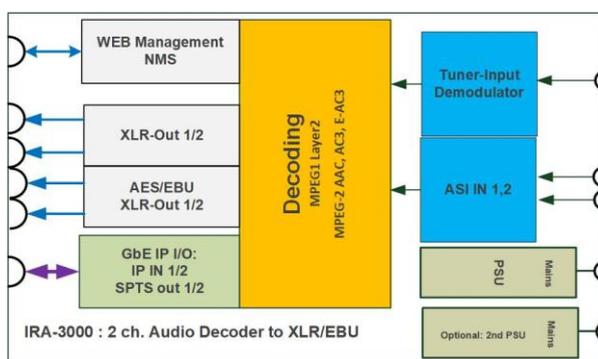
Warranty: Includes a 2-year standard warranty, with optional extensions available for up to 5 years of total coverage.



Input interfaces

Parameter	Value
Tuner input	1x F type DVB-S/S2/S2X or DVB-C/T/T2/ISDB-T switchable
ASI input	2x ASI inputs, BNC interface.
IP input	2x IP inputs UDP/RTP, unicast/multicast, via 100/1000M self-adaptive RJ45 ports

Specifications are subject to change without prior notice.



Output interfaces

Parameter	Value
Analog audio output	2 analog balanced audio out (XLR interfaces).
Digital audio output	2 AES/EBU digital audio out (XLR interfaces).
IP output	2 SPTS output over UDP/RTP, unicast/multicast (for 2 decoded audio programs respectively).

Specifications are subject to change without prior notice.

Decoding processing

Parameter	Value
Audio formats	MPEG1 Layer2, MPEG-2 AAC, AC3, E-AC3, DRA.
Sample rate	48KHz, 44.1KHz.
Audio gain	Adjustable Audio Gain: -24~+12dB.

Specifications are subject to change without prior notice.

System & General

Parameter	Value
Management	Web-server Management, LCD + control buttons (English language).
Power supply	Dual power supply (hot-plugging) standard; Single power supply optional
Power requirements	AC 110V±10% or AC 220V±10%, 50/60Hz
Power consumption	<20W.
Dimensions	482 x 350 x 44mm
Weight	Approx. 3.2 kg.

Specifications are subject to change without prior notice.

Ordering information

Type	Description
IRA-3000	Audio IRD with DVB-S/S2/S2X Tuner
IRA-3000T	Audio IRD with DVB-C/T/T2, ISDB-T Tuner
Option: Single power supply	Available instead of redundant dual power supply