



# Datasat LS10 with Auro-3D®



The Datasat LS10 is the first home cinema processor to deliver high end audio features at a price point for a wide range of home cinemas and media rooms. The Datasat LS10 with Auro-3D® makes full immersive 3D sound available to those installations for the first time.

### Bringing immersive sound to the home

Auro 3D® adds height and top layers to standard digital surround sound. This provides a much more natural listening experience in which the texture and directional nature of the sound can be fully appreciated. The Datasat LS10 with Auro-3D® allows playback of native Auro-3D content as well as upmixing 2.0, 5.1 or 7.1 soundtracks into the Auro-3D format. It is ideal for home cinema installations where price and performance are important considerations.

### Stylish and powerful

Featuring precise control of each of its 15 channels – with 10 bands of parametric equalisation per channel – and superior bass management, the Datasat LS10 ensures high quality sound that is rich, textured and realistic. In addition to Auro-3D®, this processor provides native support for the latest sound formats including Dolby TrueHD, DTS-HD Master Audio and DTS Neo:X. It's range of remote control options – including VNC control through iOS and Android devices – places this audio power at the user's fingertips.

### > Key Features & Benefits

#### 15 channels of digital audio

The Datasat LS10 supports the latest 3D sound formats with speaker configurations up to 13.1.

#### Immersive 3D sound capabilities

Fully integrated Auro 3D® Decoding and Upmix Engines.

#### Extensive equalization functionality

The Datasat LS10 delivers precise control with 10 band parametric EQ for each individual channel.

#### Superior bass management

User-adjustable bass control with low and high pass filters and support for up to 2 subwoofers.

#### Wide-ranging sound format support

In addition to the ground-breaking Auro-3D format, the LS10 supports all current Dolby and DTS codecs.

#### Future-proofed technology

LS10 features 8 HDMI audio and video inputs - supporting 3D content.

#### Ease of management

A range of Remote and Network Control options including VNC for iOS and Android devices.

#### Stylish design

Stylish front plate design makes the LS10 ideal for in-room as well as rack mounted installations.

# Technical Specifications

## Digital Audio Decoders

### Auro

- Auro-3D® Decoding Engine
- Auro-3D® Upmix Engine

### Dolby

- Dolby® Digital Plus
- Dolby® Pro Logic® IIz
- Dolby® TrueHD

### DTS

- DTS-HD Master Audio™
- DTS Neo:X™

## Signal Inputs

### HDMI Audio & Video Inputs:

- HDMI V1.4a with video pass-through (8 in/2 out)

### Digital Audio Inputs:

- TOSLINK – 2
- S/PDIF – 2
- USB 2.0 – 1

### Analog Audio Inputs:

- Channels: 2 stereo single-ended input pairs
- Connectors: 4 RCA jacks
- Impedance: 10k ohms
- Sensitivity Adjustable: -16dBv to -4dBv

## Signal Outputs

### Analog Audio Outputs:

- Channels: 15
- Balanced (can be connected unbalanced or single-ended)
- Connectors: 15 XLR
- Level: 300mV with Fader at 7, +26dBu max (balanced)

## Audio EQ

### Parametric

- 10-band parametric EQ
- Adjustable from 20Hz to 20kHz, gain +/-6dB i•0.1dB steps
- Q range from 0.7 to 5

## Bass Management

- Full or adjustable high pass settings for screen and surround speakers
- Adjustable low pass filter for sub woofers
- Support for 0 to 2 subwoofers

## Audio Delays

### Individual Channel Delays:

- 0-100ms

### Global Delay:

- 0-100ms

Note: Total delay per channel not to exceed 100ms

## Control

- RS232 DB9
- 10/100Mbps Ethernet
- VNC control including by iOS and Android devices
- Crestron Integrated Device
- IR Remote

## Power Requirements

- 100-240 VAC, 50-60Hz, auto-switching
- Power consumption TBA

## Regulatory Compliance

- UL CB Scheme
- FCC Part 15, subpart B Class A
- CE
- RoHS compliant

## E&OE

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