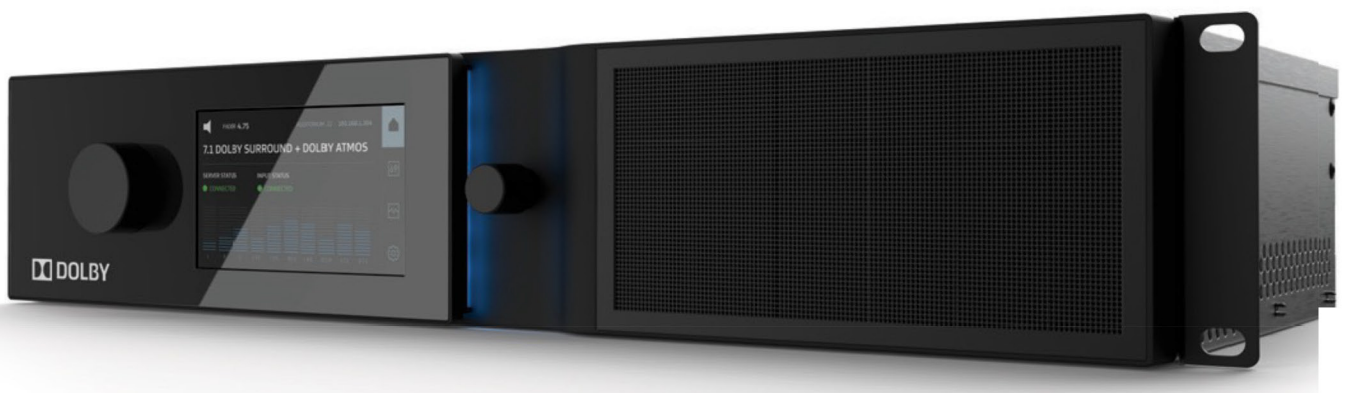# Dolby® Cinema Processor

AN UPGRADABLE, THEATRICAL-GRADE AUDIO PROCESSOR FOR YOUR AIRCRAFT

The Dolby Cinema Processor embraces the latest innovation in Dolby's market-leading lineage of cinema processors. It's designed with more of the capabilities you want — and less of those you don't — in a flexible, modular, cost-efficient solution.

The processor supports the most seamless means of installing Dolby 5.1 and 7.1 surround and includes an upgradeable version capable of delivering Dolby Atmos*, the most memorable and creatively accurate sound experience for the passengers.

The process was designed with our installation and crew partners' operations in mind, so it is easy to use, install, and service. The feature set includes a built-in booth monitor, an intuitive front-panel user interface, a color touchscreen, and a web interface for enhanced access and usability. Other features include internal loudspeaker crossover, a high-resolution multi-rate EQ, 16 channels of analog output, audio-over-Ethernet supporting both AES67 or Blu-Link protocols.

DOLBY CINEMA PROCESSOR FEATURES AND BENEFITS

- Upgradeable to full Dolby Atmos capability (version includes the Dolby Atmos media kit installed)*
- Built-in booth monitor to simplify operations and QA
- Touchscreen front panel interface for easy control
- Web user interface for remote configuration and control
- Dolby Atmos Designer compatibility for setup and precise system calibration
- Internal crossovers to enhance sound and reduce installation cost
- High resolution multi-rate EQ
- Modular mechanical design for field upgradability and serviceability

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SKYCINEMA®
AVIATION

ONE STOP JETS

Dolby Cinema Processor

I/OS

- 1× GB Ethernet (1000Base-T /RJ-45)
- 1× USB 3.0
- 1× HDMI® 2.0 input - 1× HDMI® 2.0 output
- 1× Microphone /RTA input (XLR Female)
- 2 × Non-Sync analog Input (RCA Female)
- 8 × AES-3 audio input (2 × RJ-45)
- 2 x AES-3 Auxiliary Inputs (BNC Female)
- 1x Dolby Atmos Connect input (RJ45 /BLU link return path only)
- 1x Dolby Atmos Connect output (RJ45 /AES67 and BLU link)
- 16 x Analog output (2 x DB25 Female)
- 2 × HI/VI analog output (RCA Female)
- 1x RS-232 Serial automation port (DB9 Male)

AUDIO PROCESSING FEATURES

- Ability to support consumer and theatrical Dolby Atmos
- TrueHD Audio
- Dolby Surround 7.1 and 5.1 playback
- Dolby Digital Plus™
- Dolby Digital® (AC-3)
- Supported sample rates of: 44.1 kHz, 48 kHz and 96 kHz at 16, 20 and 24 bit
- AES67 or Blu-Link protocols for digital audio over Ethernet output
- Alternative Content Surround Processing
- Raised Cosine equalization, 1/12th octave resolution
- Internal crossover supports up to 3-way loudspeakers

CONTROL

- Touchscreen front panel user interface
- Web-based user interface
- ASCII commands over Ethernet or Serial ports
- Web Services API for control from servers, Third-party TMS, and NOC systems

DIMENSIONS AND WEIGHT

- Width: 19.0" (482.6 mm) including rack ears
- Height: 3.5" (88.5mm)
- Depth: 8.7" (220.9mm)
- Weight: 12.2 lbs. (5.53 kg)

SHIPPING DIMENSIONS AND WEIGHT

- Width: 23.0" (584.2 mm)
- Height: 7.5" (190.5 mm)
- Depth: 15" (381.0 mm)
- Weight: 16.0 lbs. (7.26 kg)

POWER

- Input: 100 − 240Vac, 0.6 − 0.25A, 50 − 60Hz
- Power Consumption: Nominally < 60W

OPERATING CONDITIONS

- Tested to DO-160G