

Dolby® Cinema Processor CP950



An upgradable, feature-rich audio processor for your cinema

The Dolby Cinema Processor CP950 is our newest 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 CP950 supports our most seamless means of installing Dolby Surround 7.1 and 5.1 formats, and includes an expansion slot for upgradability to Dolby Atmos to deliver the most memorable and creatively accurate sound experience for your guests.

The CP950 was designed with our exhibitor partners' operations in mind, so it's easy to use, install, and service. A brand-new 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 optimized for today's cinema include internal loudspeaker crossovers, a high resolution multi-rate EQ, 16 channels of analog output, or 16 channels of digital output, supporting either AES67 or Blu-Link protocols.

Dolby Cinema Processor CP950 features and benefits

- Upgradeable to full Dolby Atmos capability (with CP950-UPG hardware upgrade kit and Full Dolby Atmos License)
- Built-in booth monitor to simplify operations and audio quality assurance
- Touchscreen front panel interface for easy control
- Easily integrates with Dolby Multichannel Amplifier
- Web user interface for remote configuration and control
- Dolby Atmos Designer compatibility for setup and precise system calibration
- Internal crossovers to enhance audio quality and reduce installation cost
- High resolution multi-rate EQ
- Modular mechanical design for field upgradability and serviceability

Dolby Cinema Processor CP950

I/Os

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

Audio processing features

- Dolby Surround 7.1 and 5.1 playback from Cinema Server
- Dolby Digital® (AC-3)
- Dolby Digital Plus™
- Dolby TrueHD Audio
- Dolby E
- 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 output
- Alternative Content Surround Processing
- High resolution, multi-rate EQ
- 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 or third-party TM
- SNMP for monitoring from a NOC

Unit dimensions and weight

- Unit Dimensions (including rack ears):
19.0" W x 3.5" H x 8.7" D (48.26 x 8.85 x 22.09 cm)
- Unit Weight: 12.2 lbs. (5.53 kg)

Shipping dimensions and weight

- Shipping Dimensions:
23" W x 7.5" H x 15" D (58.42 x 19.0 x 38.1 cm)
- Weight: 16.0 lbs. (7.26 kg)

Power

- Input: 100 - 240Vac, 0.64 - 0.30A, 50 - 60Hz
- Power Consumption: Nominally < 60W; 64-72W Max
- BTU Rating: 205 BTU/hr

Operating conditions

- Standard operating temperature: 0° C to 40° C (32° F to 104° F)
- Non-operating temperature: -10° C to 40° C (32° F to 104° F)
- Standard operating humidity:
20% to 80% noncondensing
- Non-operating humidity:
20% to 80% noncondensing

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Translated versions are not legally binding and are for convenience only.

Specifications are subject to change without notice.

This documentation applies to Model CID1019



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