



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 5.1 and 7.1 surround, and includes an expansion slot for future 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 cinemas 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 CP950 FEATURES AND BENEFITS

- Upgradeable to full Dolby Atmos capability (with future Dolby Atmos expansion card)*
- Built-in booth monitor to simplify operations and QA
- 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 sound and reduce installation cost
- High resolution multi-rate EQ
- Modular mechanical design for field upgradability and serviceability

*Please check with your local sales rep for more information.



Dolby Cinema Processor CP950

I/O

- 1 × GB Ethernet (1000Base-T / RJ-45)
- 1 × USB 3.0
- 1 × HDMI® input - 1 × HDMI® output
- 1 × Microphone / RTA input (XLR Female)
- 2 × Non-Sync analog Input (RCA Female)
- 2 × 8-channel AES-3 inputs (RJ-45)
- 2 × AES-3id Auxiliary Inputs (BNC Female)
- 1 × Dolby Atmos Connect input (RJ45 / BLU link return path only)
- 1 × Dolby Atmos Connect output (RJ45 / AES67 and BLU link)
- 2 × 8-channel Analog outputs (DB25 Female)
- 2 × HI/VI analog output (RCA Female)
- 1 × 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 audio over Ethernet output
- Alternative Content Surround Processing
- Multi-rate EQ, 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

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

OPERATING CONDITIONS

- Standard operating temperature:
0° C to 40° C (32° F to 104° F)
- Non-operating temperature:
-10° C to 60° C (14° F to 140° F)
- Standard operating humidity:
20% to 80% noncondensing
- Non-operating humidity:
20% to 80% noncondensing
- BTU Rating: 205 BTU/hr

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Specifications are subject to change without notice.

This documentation applies to Model CID1019



Dolby Laboratories, Inc. 1275 Market Street, San Francisco, CA 94103-1410 USA dolby.com

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