ControlSpace EX-440C conferencing processor

ARCHITECTS' & ENGINEERS' SPECIFICATIONS
JULY 2019

The conferencing processor shall have 4 mic/line inputs and 4 balanced output channels for analog audio signals, each independently controllable with removable screw-down and labeled connectors. The DSP shall contain 8 channels of acoustic echo cancellation (AEC), with multiple references, routable to analog and/or Dante® inputs. The DSP shall have 16 input and 16 output Dante digital audio channels, and an Ethernet connection for control and programming, integrated VoIP connection for 1 line, PTSN, USB audio and 4 channels of AmpLink on an RJ-45 jack.

The audio DSP shall be a 1 RU rack mountable chassis and include configurable signal processing, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, delay, conference room router, conference room combining, as well as control, monitoring, and diagnostic tools. The audio DSP shall control and proxy all EX expansion devices and other Dante endpoints.

The audio DSP shall be compliant to UL60065 (8th edition), CAN/CSA-C22.2 No.60065 (8th edition), IEC/EN60065 (8th edition); UL62368-1 (2nd edition), CAN/CSA C22.2 No. 62368-1-14 (2nd edition), IEC/EN 62368-1 (2nd edition), UL62368-1 (2nd edition), CAN/CSA C22.2 No. 62368-1-14 (2nd edition), IEC/EN 62368-1 (2nd edition), IEC/EN 60950-1 (2nd edition); EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55035:2017, FCC Part 15B Class A, AS/NZS CISPR 32:2015, ICES-003 Class A, CNS13438, GB/T9254-2008, CISPR13; and have Telephone certifications for Australia, Canada, China (NAL and CCC) Europe, Hong Kong, India, Japan, Mexico, New Zealand, UAE, USA, and Taiwan.

Warranty shall be five years. The conferencing processor shall be Bose ControlSpace EX-440C.