

\$3,134

Media Amplification



Description

- A** ezRoom 2x2 Ceiling System with Network Amplifier
- B** Lay-in Speaker Kit (2x2) Four Speakers
- C** Single Optical HDMI Package
- D** Wall Plate with VGA and Audio
- E** Touch Screen Control Panel
- F** Terminal Block power & I/O (TB-14)

Key Benefits

- ✓ **AV Control**
- ✓ **Networkable**
- ✓ **Media amplification**
 - Teacher voice enhancement
 - Student voice enhancement
 - Lesson Capture
 - IP Paging, Intercom, Bells, and Alerts

Add-ons

- Conductor-ready with the addition of a POE extractor (PD-20W) and an intercom device (CB50, CB55, CB75) and/or a microphone (CB85 or CB75)
- Bluetooth capable with CMBT

Part number 1000-00073

EZROOM PLENUMCORE**SPECIFICATIONS**

Weight: 8.39kg/18.5lbs

Size (wxhxd): (60x60) 58.5 x 59.05 x 8.18 cm; **(2x2)** 23.81 x 23.70 x 3.22 in

CM3000 NETWORK AMPLIFIER**SPECIFICATIONS**

Network support: 10/100Mb/s (auto sensing)

Serial Baud rate: 2400 to 57600 baud

Amplifier type: Class D

Frequency response: 20Hz to 20kHz

Signal-to-noise: >84 dB @ 20 Hz to 20 kHz at maximum output (unweighted, with balanced input)

THD: 0.1% @ 1kHz, at nominal level (1 watt, 8 ohm load)

Maximum audio output power: 2 x 8w (8Ω), 2 x 16w (4Ω)

Power supply: 12VDC at 3.5A

Size (wxhxd): 13 x 14.9 x 2.86cm/
5.125 x 5.875 x 1.125in

Weight: 0.35kg/0.77lbs

INPUTS/OUTPUTS

- Input power jack
- (4) Network jacks (2 supplying 12VDC to power control panels) (RJ45)
- (2) Unbalanced inputs and (1) 3.5mm configurable balanced/unbalanced input (3.5mm)
- (1) Mic input jack (RJ45)
- (1) Intercom input jack (RJ45)
- (3) Audio output jacks (unbalanced) (3.5mm)
- (1) captive screw loudspeaker terminal left and right (mono output)
- (1) captive screw IR control terminal
- (1) captive screw serial control terminal

LAY-IN SPEAKER KIT (2X2) FOUR SPEAKERS**SPECIFICATIONS**

Average sensitivity: 92dB-SPL 1W/1M

Speaker type: 8in full range cone

Impedance: 8Ω nominal

Loudspeaker power rating: 12W-RMS EIA 426A Standard

Calculated maximum system output: 103dB-SPL, 12W/1M

Magnet type: 4.8oz BeFe Ceramic

Size (wxhxd): (1x2) 29.9 x 32.5 x 9.7cm/11.81 x 12.81 x 3.81in
(2x2) 60.5 x 60.5 x 8.74cm/23.82 x 23.82 x 3.44 in

Frequency response: 65Hz – 17kHz EIA 426A standard

Nominal coverage angle: 100° included angle -6dB/2kHz half space

Audio connection: Pre-cut 17.8cm/7in

Mounting: Replaces existing ceiling tile, mounts in tile grid, built for Plenum spaces

CB6000 TOUCH CONTROL PANEL**SPECIFICATIONS**

Network support: 10/100Mb/s (auto sensing)

Serial Baud rate: 2400 to 115k baud

Power supply: 12VDC (via UTP Cat 5e)

Format: Double-gang

Size (wxhxd): 11.4 x 11.4 x 3.3cm/4.5 x 4.5 x 1.3125in

Weight: 113g/4oz

Control/Jump Buttons/Page: 8

Pages: 5

USER CONTROLS

- 9cm/3.5in 320x240 resolution color touch-screen

INPUTS/OUTPUTS

- Network (RJ45)
- Aux (RJ45):
 - (2) bi-directional serial
 - (1) IR control output or general purpose input (GPI)
 - +12V input

WALL PLATE WITH VGA AND AUDIO / SINGLE OPTICAL HDMI KIT**HDMI PASS-THROUGH WALLPLATE SPECIFICATIONS**

Wall plate: Decora®-compatible single gang

Digital video resolutions: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p*

PC resolution: Up to 1600x1200 UXGA

Audio extraction: Digital 2.0CH/5.1CH LPCM, Dolby Digital, or DTS audio to stereo 3.5mm analog

Line power: +5V 300mA available HDMI line power, green LED on transmitter and receiver

Power source: +5VDC, 500mA

Input (transmitter): Type A female connector

Cabling: High-Speed HDMI, M/M Type A connectors, plenum jacket (10' cable)

RoHS Compliance: HDMI cable, FCC/CE certified HDMI audio extractor, CE certified HDMI extender (transmitter/receiver)

HDMI OPTICAL CABLE SPECIFICATIONS

HDMI 1.4 Compliant: EDID, CEC, HDCP

Resolution: Up to 4K 30Hz, 3D, Deep Color

Power consumption: 0.25W typical

TMDS data bit rate: 250 to 3400 Mbps

Cable Dimensions (WxH): 3.4mm (±0.2mm)

Optical Fiber: Multi-mode fiber

Copper Wire: 28 AWG TA (7/0.127mm)

Cable Jacket Material: CMP-OF (UL) & LSZH

Connector Pull Strength: 10Kg

Compression Load Resistance: 50Kg

Minimum Bending Radius: 6mm

Case Material: ABS

HDMI AUDIO EXTRACTOR**SPECIFICATIONS**

HDMI compliance: HDMI 2.0b

HDCP compliance: HDCP 2.2 and HDCP 1.4

Video Bandwidth: 18Gbps

Inputs: 1x HDMI Type A [19-pin female]

Outputs: 1x HDMI Type A [19-pin female]
1x L/R Audio Out [3.5mm Stereo Mini-jack]
1x Optical Out [S/PDIF]

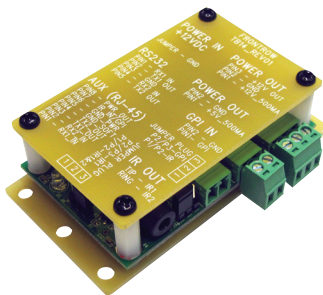
HDMI Audio Formats (Pass-through):

LPCM 2/5, 1/7, 1CH, Dolby Digital
DTS 5.1, Dolby Digital+, Dolby TrueHD,
DTS-HD Master Audio, Dolby Atmos, DTS:X

Optical Audio Formats: LPCM 2CH, LPCM 5.1, Dolby
Digital 2/5, 1CH, DTS 2/5.1CH

L/R Audio Formats: Analog Stereo 2CH

ESD Protection: Human body model – ±8kV (air-gap
discharge) & ±4kV (contact discharge)

TB14 TERMINAL BLOCK**SPECIFICATIONS**

12VDC Pass Through

500mA current limited 12V output

5V, 500mA output

INPUTS/OUTPUTS

- (1) Aux interface to CB devices (RJ45)
- (1) Input power jack
- (2) Captive screw RS232 serial control input/output terminal (3 position)
- (1) 3.5mm infrared control output jack
- (1) Captive screw general purpose input (GPI) relay terminal
- (3) Captive screw power output terminal