

# IPD4-CM52-BGM

5.25" IP4-  
ADDRESSABLE 4  
SPEAKER CAT 5  
OR 6 SYSTEM

SOUNDTUBE  
ENTERTAINMENT



## Specifications: IPD4-CM52-BGM

## Mounting hardware included

Frequency Response ( $\pm 3$ dB)	90 Hz - 20 kHz
Frequency Response ( $\pm 10$ dB)	65 Hz - 22 kHz
Max. Power SPL @ 1 M	93.0 dB
Transducer - Low Frequency Driver	5.25" Polypropylene Cone w/ Butyl Rubber Surround
Transducer - High Frequency Driver	0.75" Silk dome w/ BroadBeam Ring™
Certifications	UL 60950 on STNet-Switch & Power Supply; UL 60065 on speakers; CE & CB on all
Total Bi-Amp Power	40 W
Colors	White / Custom
Connections	RJ45 ethernet connector
Backcan Diameter	245.6 mm / 9.67 in
Backcan Height	146.1 mm / 5.75 in.
Visible Diameter	298.5 mm / 11.75 in
Visible Height	8.6 mm / 0.34 in
Weight	3.6 kg / 8.0 lbs.
Shipping Weight	4.1 kg / 9.0 lbs.
Accessories Optional	Color-coded (orange) pre-construction bracket (AC-CM6/8-PCB)

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## Description

Offering an economical option for expansion of audio coverage in a digital speaker system, this Dante™-addressable coaxial in-ceiling speaker has output terminals for connection and power of up to three additional standard CM52-BGM speakers. The speaker incorporates one 5.25 inch (134 mm) polypropylene woofer with rubber surround and one 0.75 inch (19 mm) silk dome tweeter. BroadBeam Ring™ technology and a tuned port on the baffle provide smooth off-axis performance, mid-range clarity and bass response to 65 Hz (-10 dB). Low latency digital audio, power, and control are delivered to the speaker via standard category cable; connection is made on the other end to the STNet-Switch or other PoE / PoE+ switch. May also be powered via a 24V DC barrel connector for non-PoE installations. Configuration and zoning of the speaker are accomplished via software. When combined with standard speakers, the four-speaker cluster can be split and configured to handle two separate channels of audio. Mounting

hardware is included and features SoundTube's SpeedWing™ constant-tension fixed-wing mounting system, which accommodates material thicknesses ranging from 0.035 in (0.9 mm) to 2.38 in (60.4mm). UL 60065 and 2043 listed. Included accessories: Color-coded (orange) tile bridge, UL listed conduit clamp and paint shield.

## Patented SoundTube Technologies

SoundTube and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

## Technical Data and Specification Tools

## Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at [www.soundtube.com](http://www.soundtube.com). Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

## Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x,

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GLL and CLF.

## **Architectural Specifications**

No specifications currently.

### **SoundTube**

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<http://soundtube.mseaudio.com>  
All SoundTube products come  
with a 5-year limited warranty.

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## Optional Accessories

**Color-coded (orange) pre-construction bracket (AC-CM6/8-PCB)**