

PRODUCT DATASHEET

CY-IP101

IP Network Flush-Mount Ceiling Speaker

10W | Built-in IP Decoder | TTS Broadcast | All-Metal Housing

The CY-IP101 is a 10W IP network flush-mount ceiling speaker with a built-in IP audio decoder, delivering CD-quality sound directly from the IP PA network without requiring a separate amplifier per zone. Its all-metal housing ensures durability and aesthetics, while Text-to-Speech (TTS) broadcast capability enables automated announcements without pre-recorded audio files — ideal for dynamic, scalable indoor PA deployments.

10W
RATED OUTPUT5"
DRIVER SIZETTS
TEXT-TO-SPEECH3
PRIORITY LEVELS≥88dB
SENSITIVITY16bit
CD QUALITY140mm
CUTOUT

KEY FEATURES

- ✓ **Built-in IP Audio Decoder** — Connects directly to IP PA network over RJ45 — each unit is a standalone IP endpoint, eliminating zone amplifiers
- ✓ **Text-to-Speech (TTS) Broadcast** — Converts text messages into spoken announcements in real time — no pre-recording required for dynamic paging content
- ✓ **CD-Quality Audio** — 16-bit stereo network audio transmission at CD quality over TCP/IP, UDP, and IGMP multicast protocols
- ✓ **All-Metal Housing** — Durable all-metal enclosure with white powder-coat finish — flush-mount design blends seamlessly into any ceiling
- ✓ **3-Level Priority Control** — Emergency alarms automatically override background music and scheduled broadcasts at the zone level
- ✓ **Flush-Mount Installation** — Spring-clip rear mechanism enables tool-free blind installation into standard ceiling cutouts
- ✓ **Wide Compatibility** — Works with C-Yark IP audio server, CY-BS130 amplifiers, CY-BS510B2 paging microphone, and any TCP/IP network

INSTALLATION NOTES

- ▶ Ceiling cutout: Φ140mm; overall diameter Φ190mm; mounting depth 65mm
- ▶ Connect via Cat5e/Cat6 RJ45 to network switch — no 100V speaker wiring needed
- ▶ Spring-clip mechanism secures unit from below — no access above ceiling required
- ▶ Requires AC 220V/50Hz at nearest socket or ceiling power drop
- ▶ Configure IP address via C-Yark management software or on-unit web interface

TECHNICAL SPECIFICATIONS

MODEL	CY-IP101	RATED OUTPUT POWER	10W
DRIVER SIZE	5" (130mm) full-range	FREQUENCY RESPONSE	100Hz – 18KHz
SENSITIVITY	≥88dB (1W/1m)	SNR	>70dB
NETWORK INTERFACE	1× RJ45 10/100M	AUDIO PROTOCOL	TCP/IP, UDP, IGMP
AUDIO QUALITY	16-bit stereo, CD quality	TTS SUPPORT	Yes — real-time text-to-speech
PRIORITY LEVELS	3-level (Alarm / Paging / BGM)	HOUSING MATERIAL	All-metal (zinc alloy)
SURFACE FINISH	White powder coat	MOUNTING TYPE	Flush ceiling, spring clips
INPUT POWER	AC 220V / 50Hz	POWER CONSUMPTION	≤15W
OPERATING TEMPERATURE	0°C to +50°C	OPERATING HUMIDITY	10% – 90% RH
CUTOUT DIAMETER	Φ 140mm	OVERALL DIAMETER	Φ 190mm
MOUNTING DEPTH	65mm	WEIGHT	0.6 kg
CERTIFICATIONS	CE, 3C, ISO 9001	WARRANTY	24 Months

AMPLIFIER-FREE ZONES

Each CY-IP101 is a self-contained IP audio endpoint. No zone amplifier needed — single Cat5e cable per unit carries both data and power supply.

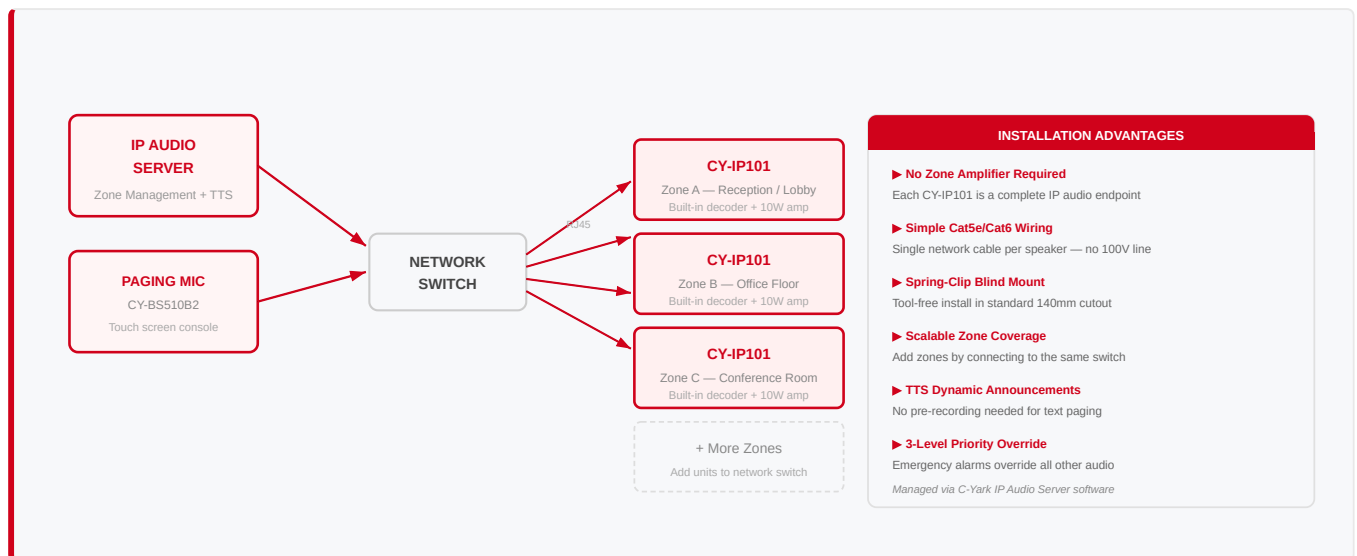
TTS DYNAMIC PAGING

Built-in TTS converts typed text into spoken announcements in real time. No need to pre-record audio for routine or emergency messages.

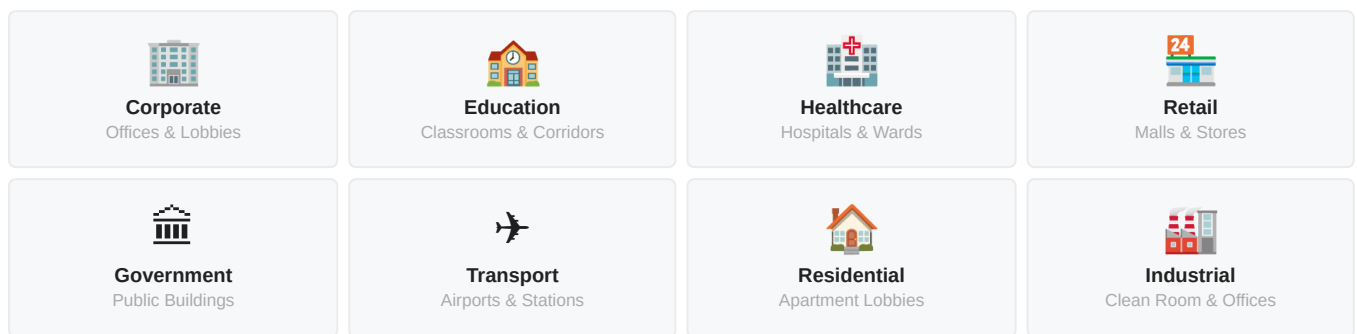
ALL-METAL DURABILITY

Zinc alloy housing with white powder coat finish matches standard ceiling aesthetics while providing superior rigidity and long-term reliability.

SYSTEM ARCHITECTURE



TYPICAL APPLICATION SCENARIOS



WHY C-YARK

10+ YEARS IN PA	CE CERTIFIED	ISO 9001 QUALITY	3C COMPLIANT
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ORDERING INFO CY-IP101 — IP Ceiling Speaker Includes: spring-clip mounting hardware Colour: White powder coat Cutout: Φ140mm standard	COMPATIBLE WITH C-Yark IP Audio Server CY-BS130 IP Network Amplifier CY-BS510B2 IP Paging Microphone CY-BS230 IP Outdoor Column Speaker Any TCP/IP LAN infrastructure	NOTES Specifications subject to change without prior notice. Product images for reference only. © C-YARK · Guangzhou Quanzhiyun Electronic Technology Co., Ltd. DS-CY-IP101-EN-052026
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