

PRODUCT DATASHEET

CY-BS230

IP Network Outdoor Column Speaker

30W | 100V / 70V / 8Ω | All-Aluminium | IP65 Weatherproof

The CY-BS230 is a 30W IP network column speaker engineered for outdoor and semi-outdoor public address installations. Its all-aluminium alloy housing with IP65 weatherproof rating ensures long-term reliability in demanding environments, while the built-in IP audio decoder connects directly to the network — eliminating the need for a separate amplifier in distributed zone systems.



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| 30W RATED OUTPUT | 100V CONSTANT VOLTAGE | IP65 WEATHERPROOF | 3 PRIORITY LEVELS | -20°C MIN. TEMP | ≥90dB SENSITIVITY | AI ALUMINIUM BODY |
|----------------------------|---------------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|

KEY FEATURES

- ✓ **Built-in IP Audio Decoder** — Connects directly to IP audio server over LAN/WAN — no external amplifier needed for individual zones
- ✓ **30W All-Aluminium Enclosure** — Rust-proof aluminium alloy body with UV-resistant paint withstands outdoor exposure year-round
- ✓ **IP65 Weatherproof Rating** — Fully protected against dust ingress and low-pressure water jets — suitable for exposed outdoor installation
- ✓ **100V / 70V / 8Ω Compatible** — Three selectable impedance modes via built-in transformer for flexible integration into any PA topology
- ✓ **Emergency Broadcast Priority** — Supports 3-level priority override ensuring fire and safety announcements always reach the zone
- ✓ **Wide Operating Temperature** — Rated from -20°C to +60°C for reliable performance in extreme climates

INSTALLATION NOTES

- ▶ Requires AC 220V / 50Hz power supply at each mounting point
- ▶ Connect to network switch via standard Cat5e/Cat6 cable (max 100m)
- ▶ Wall and pole mounting brackets included; tilt bracket optional
- ▶ Weatherproof cable glands recommended for exposed outdoor runs
- ▶ Compatible with standard C-Yark IP audio management software

TECHNICAL SPECIFICATIONS

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|-----------------------|---------------------------|----------------------|---------------------------------|
| MODEL | CY-BS230 | RATED OUTPUT POWER | 30W |
| OUTPUT MODE | 100V / 70V / 8Ω | FREQUENCY RESPONSE | 80Hz – 16KHz |
| SENSITIVITY | ≥90dB (1W/1m) | SNR | >70dB |
| NETWORK INTERFACE | 1× RJ45 10/100M | AUDIO FORMAT SUPPORT | MP3, WMA, OGG |
| DECODING | Built-in IP audio decoder | PRIORITY LEVELS | 3-level (Network / Local / BGM) |
| WEATHERPROOF RATING | IP65 | HOUSING MATERIAL | All-aluminium alloy |
| SURFACE FINISH | UV-resistant powder coat | MOUNTING | Wall / pole bracket (included) |
| INPUT POWER | AC 220V / 50Hz | POWER CONSUMPTION | 35W |
| OPERATING TEMPERATURE | -20°C to +60°C | OPERATING HUMIDITY | 10% – 90% RH |
| DIMENSIONS (W×D×H) | 115 × 115 × 600 mm | WEIGHT | 3.5 kg |
| CERTIFICATIONS | CE, 3C, ISO 9001 | WARRANTY | 24 Months |

ALL-IN-ONE OUTDOOR UNIT

Built-in IP decoder and Class-D amplifier in a single weatherproof enclosure. No external rack equipment required per zone.

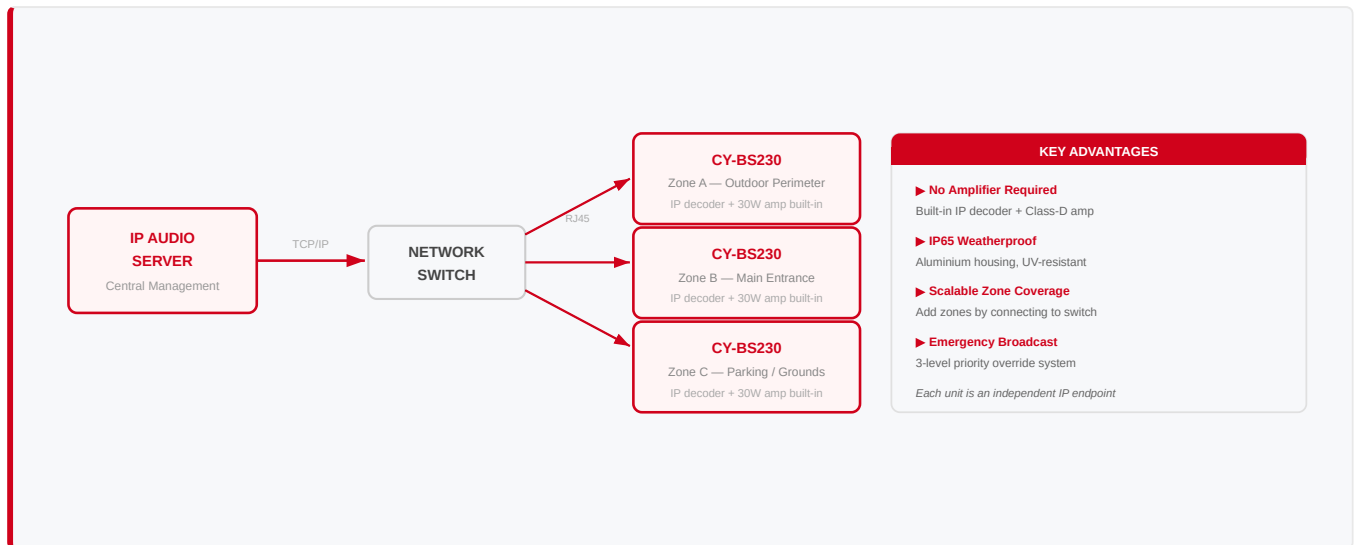
IP65 DURABILITY

Aluminium alloy housing with UV-resistant coating and IP65 rating ensures years of reliable service in harsh outdoor conditions.

SCALABLE DEPLOYMENT

Each CY-BS230 is an independent IP endpoint. Expand coverage by simply adding units to the network switch — no rewiring.

SYSTEM ARCHITECTURE



TYPICAL APPLICATION SCENARIOS

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| <p>Industrial Factory Floors & Plants</p> | <p>Education Schools & Campuses</p> | <p>Government Public Squares & Parks</p> | <p>Transport Stations & Airports</p> |
| <p>Outdoor Plazas & Open Areas</p> | <p>Residential Compounds & Communities</p> | <p>Retail Malls & Parking Lots</p> | <p>Corporate Campus & Perimeter</p> |

WHY C-YARK

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| <p>10+ YEARS IN PA</p> | <p>CE CERTIFIED</p> | <p>ISO 9001 QUALITY</p> | <p>3C COMPLIANT</p> |
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| <p>ORDERING INFO</p> <p>CY-BS230 — 30W IP Outdoor Column Speaker Includes: wall/pole mounting bracket Housing: All-aluminium alloy Available: Black / Grey finish</p> | <p>COMPATIBLE WITH</p> <p>C-Yark IP Audio Server C-Yark CY-BS130 IP Amplifier C-Yark IP Zone Controllers Standard 100V/70V PA systems Any TCP/IP network switch</p> | <p>NOTES</p> <p>Specifications subject to change without prior notice. Product images for reference only. © C-YARK · Guangzhou Quanzhiyun Electronic Technology Co., Ltd. DS-CY-BS230-EN-052026</p> |
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