

PRODUCT DATASHEET

# VCS-2202

20W IP66 Outdoor Aluminium Column Speaker

20W | 100V / 70V / 8Ω | IP66 Weatherproof | All-Aluminium | Wall / Pole Mount

The VCS-2202 is a 20W outdoor aluminium column speaker rated to IP66 — fully protected against dust and high-pressure water jets for reliable year-round performance in demanding outdoor environments. Its slimline column form factor delivers even wide-angle sound dispersion with enhanced directivity for corridors, building facades, and open outdoor areas. Built-in 100V/70V transformer with multiple power taps and robust aluminium housing make it the professional choice for outdoor PA installations requiring both audio quality and weather reliability.



<b>20W</b> RATED OUTPUT	<b>IP66</b> WEATHERPROOF	<b>100V</b> CONSTANT VOLTAGE	<b>Al</b> ALUMINIUM BODY	<b>120°x30°</b> DISPERSION	<b>≥90dB</b> SENSITIVITY	<b>-20°C</b> MIN. TEMP
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**KEY FEATURES**

- ✓ **IP66 Weatherproof Rating** — Fully dust-tight and protected against powerful water jets — a higher protection level than standard IP65, suitable for car wash areas, exposed facades, and coastal installations
- ✓ **All-Aluminium Alloy Housing** — Extruded aluminium body with UV-resistant powder coat finish delivers superior rigidity and long-term resistance to corrosion, deformation, and UV degradation
- ✓ **100V / 70V Transformer Built-in** — Multiple selectable power taps connect directly to any constant-voltage PA speaker line — no external transformer required; 8Ω direct connection available
- ✓ **Column Array Directivity** — Vertically arrayed multi-driver configuration focuses sound horizontally while narrowing vertical dispersion — ideal for long corridors, building facades, and outdoor walkways
- ✓ **Wide-Frequency Reproduction** — Extended frequency response delivers clear voice intelligibility for PA announcements as well as natural sound quality for background music in outdoor settings
- ✓ **Adjustable Wall / Pole Bracket** — Included mounting bracket enables wall or pole installation with tilt adjustment for precise aiming — suitable for building facades, lamp posts, and perimeter fencing

**INSTALLATION NOTES**

- ▶ Select power tap (20W / 10W / 5W) on rear transformer before mounting
- ▶ Wire in parallel along 100V constant-voltage speaker line — observe polarity; use IP-rated cable glands at entry point
- ▶ Adjust mounting bracket tilt 0–30° downward for optimum coverage angle at installation height
- ▶ For wall-mount on facades: use stainless steel fixings to prevent corrosion in outdoor environments
- ▶ Total speaker load must not exceed amplifier rated output — leave 20% headroom

**TECHNICAL SPECIFICATIONS**

MODEL	VCS-2202	RATED OUTPUT POWER	20W
POWER TAPS	20W / 10W / 5W (100V line)	RATED IMPEDANCE	8Ω (direct)
FREQUENCY RESPONSE	100Hz – 16KHz	SENSITIVITY	≥90dB (1W/1m)
COVERAGE (H × V)	120° × 30°	MAX SPL	~103dB (20W, 1m)
INPUT VOLTAGE	100V / 70V constant voltage	TRANSFORMER	Built-in, 3-tap selector
WEATHERPROOF RATING	IP66	HOUSING MATERIAL	Aluminium alloy
SURFACE FINISH	UV-resistant powder coat	COLOUR	Light grey / white
MOUNTING	Wall / pole bracket (included)	OPERATING TEMPERATURE	-20°C to +60°C
COLUMN DIMENSIONS (W×D×H)	70 × 65 × 500 mm	WEIGHT	1.8 kg
CERTIFICATIONS	CE, 3C, ISO 9001	WARRANTY	24 Months

**IP66 PROTECTION**

IP66 exceeds the standard IP65 rating — protected against high-pressure water jets from any direction. Suitable for car wash areas, exposed coastal locations, and year-round outdoor duty.

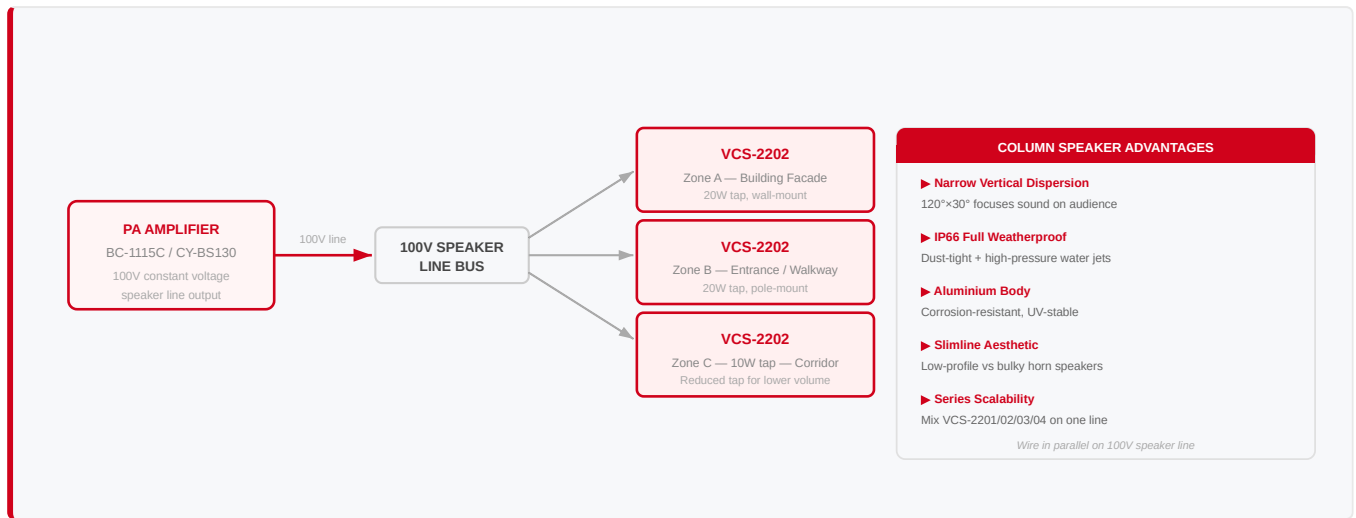
**COLUMN DIRECTIVITY**

120°x30° dispersion focuses sound horizontally for wide coverage while controlling vertical spread — minimises ceiling reflections and delivers cleaner sound to the listener zone.

**VCS SERIES SCALABILITY**

The VCS series spans 4 models (10W to 40W). Mix different models on the same 100V line to match output to zone requirements without additional amplifiers.

OUTDOOR PA ARCHITECTURE



TYPICAL APPLICATION SCENARIOS

 <b>Corporate</b> Building Facades & Entrances	 <b>Education</b> School Grounds & Corridors	 <b>Government</b> Public Squares & Parks	 <b>Transport</b> Stations & Platforms
 <b>Residential</b> Compound Perimeters	 <b>Healthcare</b> Hospital Outdoor Zones	 <b>Industrial</b> Factory Perimeters	 <b>Outdoor</b> Plazas & Pedestrian Areas

VCS SERIES — MODEL COMPARISON

MODEL	POWER	HEIGHT	IP RATING	BEST USE
VCS-2201	10W	~300mm	IP66	Small rooms, compact zones
VCS-2202 ◀	20W	~500mm	IP66	Standard outdoor zones
VCS-2203	30W	~700mm	IP66	Large outdoor areas
VCS-2204	40W	~900mm	IP66	High-output long-distance zones

<p><b>ORDERING INFO</b></p> <p><b>VCS-2202</b> — 20W IP66 Column Speaker Includes: wall/pole bracket, hardware Housing: Aluminium alloy Colour: Light grey / white</p>	<p><b>COMPATIBLE AMPLIFIERS</b></p> <p>BC-1115C 120W Mixing Amplifier CY-BS130 120W IP Amplifier Any 100V / 70V PA amplifier Ensure load ≤ rated output – 20%</p>	<p><b>NOTES</b></p> <p>Specifications subject to change without prior notice. Product images show VCS series family (VCS-2201/02/03/04). © C-YARK · Guangzhou Quanzhiyun Electronic Technology Co., Ltd. DS-VCS-2202-EN-052026</p>
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