

# EV C SERIES

COMPACT  
LOUDSPEAKERS  
FOR FIXED  
INSTALLATION



**Electro-Voice**



## The EV-Innovation family is growing

Great sound for small- and medium-sized installations is more affordable and more reliable than ever before with the EVC series – the latest addition to the Electro-Voice EV-Innovation family, our most comprehensive offering of installation-dedicated loudspeaker system solutions.

Acoustically and aesthetically matched with all the existing series under the EV-Innovation family umbrella – including front-loaded (EVF, EVU), horn-loaded (EVH) and line-array (EVA) models – the front-loaded EVC models are compact, cost-effective and versatile options with none of the compromises in audio quality often heard in similarly sized products.

EVC fills out the family by addressing the need for 2-way loudspeakers with installation-appropriate features at a significantly lower price point than EVF, while producing sound that is voiced to integrate with other EV-Innovation models.

EVC is designed to offer superior all-around performance in its category, with all the formats and features installers want, and all at a price point that allows systems to be scaled by budget or by venue size.

## Superior Electro-Voice sound quality

Our loudspeakers are tested above and beyond industry norms, to withstand the most extreme tolerances across all criteria. Like all EV loudspeakers, EVC's output will remain distortion free up to its maximum levels, so you can ensure exceptional intelligibility for presentations or paging during the day, with all the headroom you need to turn up to levels suitable for smaller clubs at night – real PA performance in a compact package. You can clearly hear the benefits of our expertise in driver design in EVC's mid-range presence and extended acoustical response at both ends of the spectrum; out-of-the box performance is excellent, and is even further enhanced with optimized settings available on amplifiers from EV's sibling brand Dynacord.

EV's reputation is built on engineering pure, accurate audio reproduction into everything we make, for any application and every budget, without compromise – true transparency, both in our sound and our specs. Our goal is to always be a better buy for sound quality, features and reliability.

The EVC series offers specific solutions for small/medium venues in which coverage, acoustic performance, and aesthetics are key factors. The lineup features five base models – four compact 2-way models and a complementary subwoofer – with multiple mounting accessories available.

- EVC-1082** / 8" 2-way
- EVC-1122** / 12" 2-way
- EVC-1122-VI** / 12" 2-way Variable Intensity
- EVC-1152** / 15" 2-way
- EVC-1181** / 18" subwoofer





# EVC

## Formulated for fixed install

### **EVC** Compatible with other EV-Innovation series models – acoustically and aesthetically

PART OF THE EV-INNOVATION FAMILY – With similar voicing and looks, and input panel accessories. Rigging is easy via the integral M10 mounting points, available matching U brackets or pan/tilt OmniMount style brackets.

### **EVC** Contractor-friendly features – a complete, convenient “go-to” product lineup for the widest range of applications

FLEXIBILITY – With five base models available, the EVC Series can serve as a single-series source for seamless, superior Electro-Voice sound quality across a wide range of spaces in small/medium installs. Two coverage patterns are available for each size; waveguides are rotatable. Available in black or white finish.

### **EVC** Compact, cost-effective design – with no compromises in sound quality or style – whatever the space

INDOOR/OUTDOOR – Premium-quality, super-durable EV Coat comes standard; weather-resistant PI versions available for enhanced reliability and resilience against the elements. In addition to EV Coat, PI versions feature stainless steel grilles, hydrophobic cloth and a dual gland nut cover for the input panel.

### **EVC** Clarity for a church or corporate venue... with the output capacity for a club!

AUTOMATIC SATURATION COMPENSATION (ASC) – Allows the contractor to use EV's TK-150 audio transformer to maximize audio signal transfer from the amplifier to the loudspeaker without sacrificing audio performance. ASC prevents the transformer from saturating, maintaining sound quality and low-frequency extension, while protecting system electronics. Standard on all models.



## Where can **EVC** work for you?



**Sports bars and restaurants** – that need clarity for paging and background music during the day, but also require higher output and stellar sound quality at night for entertainment



**Smaller club venues** – EVC's compact size belies its substantial output; EV components ensure excellent performance at SPLs suitable for bars, bowling alleys, smaller clubs and other similarly sized recreational venues



**Classroom, conference, corporate and hotel venues** – where clarity and coverage are essential for spoken word and polished presentations, with the flexibility to turn up the volume for events in the same spaces



**Small/medium-sized houses of worship** – EVC offers a low-profile, architecture-friendly solution that ensures superior sound quality for services



**Gymnasiums** – EVC models offer exceptional coverage, acoustical control and rigging flexibility for gyms and similarly reverberant spaces, ensuring intelligibility for announcements, paging and music playback



**Fitness centers** – perfect for yoga, cross-fit and dance studios where high quality audio is needed for teaching and/or music playback



**Airport gates and transit stations** – In gate areas with sufficient ceiling height, VI is a unique and effective paging speaker solution



**Small performance halls** – EVC offers a cost-effective, visually unobtrusive solution to deliver clear dialogue, convincing effects and spacious music reproduction

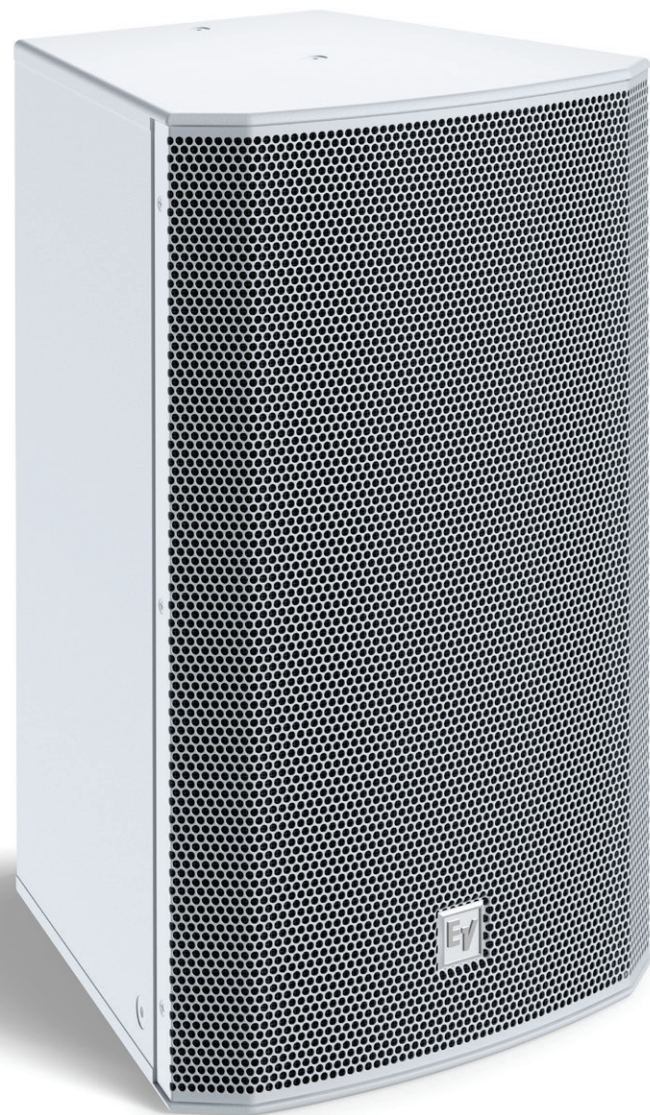


# EVC

## Contractor-friendly features

Together, the members of the EV-Innovation family offer building blocks for a complete sound system solution to complement any indoor or outdoor environment with subtle styling and superb sonic performance. Like its sibling models, the EVC series was designed with the contractor in mind, with multiple coverage angles, rotatable waveguides, easy access for adjustments, mounting points and a range of accessories for clean, quick, precise and secure installation. All EVC models are available in black or white finishes and in weatherized versions (except for the EVC-1082-VI, which is only available in EV Coat).

Unique features include Automatic Saturation Compensation (on all models), which preserves low frequency response while protecting electronics in constant voltage systems (70/100V), regardless of the number of speakers connected in parallel, ensuring consistently excellent sound quality. ASC technology lets the 18" EVC subwoofer reproduce impressive low-frequency extension when used with our TK-150 transformer – it has to be heard to be believed!



# VI

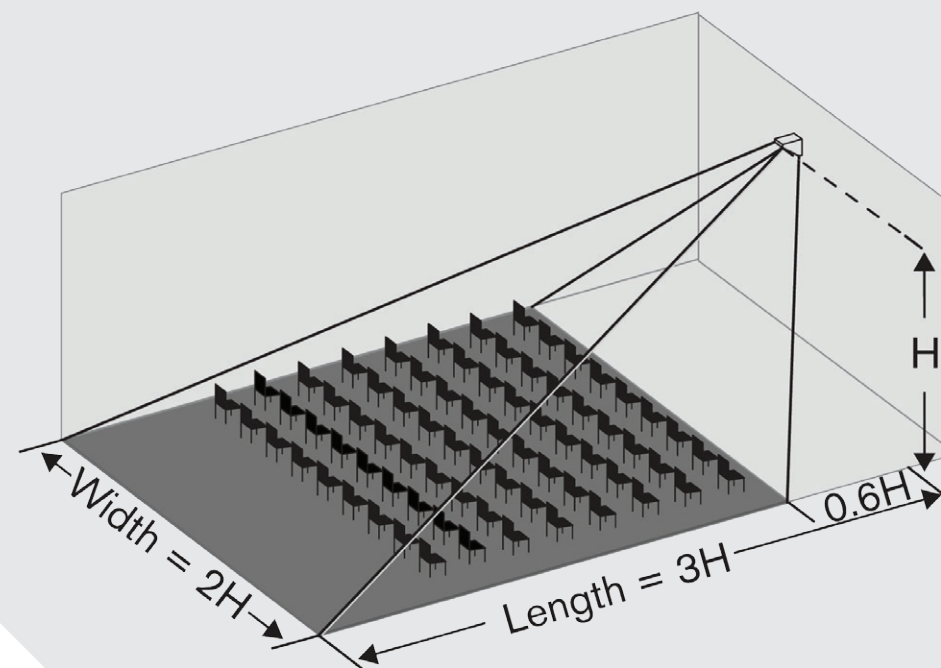
## VARIABLE INTENSITY

Housed in a low-profile enclosure that tucks neatly into ceilings and corners, the Variable Intensity (VI) model in the EVC series features an innovative 2-way design in which the mounting angle of the woofer and the downward-facing asymmetrical waveguide work together to evenly cover a clearly defined, rectangular audience area with single loudspeaker system.

The advantage of the VI configuration is a much smaller difference in sound level from the front to the back of the audience, compared to a typical point-source solution. The dimensions of the coverage area are determined entirely by the mounting height and aiming angle of the loudspeaker.

Audio performance has been enhanced significantly by utilizing updated drivers and an entirely new compound waveguide (each designed with the latest acoustical and Multiphysics modeling tools) – so much so that the EVC-VI will serve as an impressive music system that also does double duty as a natural, articulate speech system. EVC-VI: a unique design providing an effective, single-box solution for an everyday acoustical challenge.

### EV Controlled coverage for consistent sound across the room





## Installed sound made easier

The selection process is made simpler by offering a choice of horn patterns that are appropriate to cover most small/medium-sized applications (see spec table), from single-room dance studios to high-SPL foreground music for multi-room bars, clubs and restaurants. The newly redesigned Variable Intensity model is designed to cover rectangular areas—such as classrooms or airport gates—with minimal front-to-back level variation. EVC models can also compliment larger EV-Innovation systems as part of more extensive and varied installations in academic, hospitality, house of worship, live performance, recreation and sports venues. With such a wide range of sizes and features available, EVC makes it easy to specify a system with superb results.

Mounting accessories:

- EVC-WM Pan/tilt wall mount, adjustable  $\pm 45^\circ$  vertical and  $\pm 90^\circ$  horizontal
- EVC-UB1 U Bracket for EVC-1082 models
- EVC-UB2 U Bracket for EVC-1122 and EVC-1152 models with traditional trapezoidal enclosures
- EVC-UB3 U Bracket for EVC-1122-VI Variable Intensity model only
- TK-150 High-Quality Audio Transformer,  $\pm 1$  dB from 35 Hz - 20 kHz with 1% max THD (optional on all models).

Optional input panel covers with adapters for NL4 connections or water-tight gland nuts. (optional on all models)

## SPECIFICATIONS

	EVC-1082-96	EVC-1082-00	EVC-1122-64	EVC-1122-95	EVC-1152-64	EVC-1152-95	EVC-1122-VI	EVC-1181S
Frequency Response (-3 dB) <sup>3</sup>	75 Hz - 21 kHz	75 Hz - 20 kHz	70 Hz - 20 kHz	70 Hz - 22 kHz	70 Hz - 20 kHz	70 Hz - 21 kHz	70 Hz - 20 kHz	38 Hz - 95 Hz
Frequency Response (-10 dB) <sup>3</sup>	55 Hz - 25 kHz	55 Hz - 25 kHz	50 Hz - 25 kHz	50 Hz - 25 kHz	50 Hz - 25 kHz	50 Hz - 25 kHz	50 Hz - 25 kHz	30 Hz - 135 Hz
Recommended High-Pass Filter (4th order)	50 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	50 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	45 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	45 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	40 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	40 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	45 Hz for 8 $\Omega$ (50 Hz with TK-150 transformer)	35 Hz for 8 $\Omega$ (40 Hz with TK-150 transformer)
Sensitivity 1W/1m	91 dB <sup>1</sup>	91 dB <sup>1</sup>	95 dB <sup>1</sup>	95 dB <sup>1</sup>	98 dB <sup>1</sup>	98 dB <sup>1</sup>	95 dB <sup>1</sup>	97 dB
Max SPL/1 m (calculated) <sup>1</sup>	120 dB	120 dB	126 dB	126 dB	129 dB	129 dB	126 dB	129 dB
System Power Handling (Continuous <sup>2</sup> /Program/Peak)	200/400/800	200/400/800	300/600/1200	300/600/1200	350/700/1400	350/700/1400	300/600/1200	400/800/1600
Nominal Impedance	8 $\Omega$	8 $\Omega$	8 $\Omega$	8 $\Omega$	8 $\Omega$	8 $\Omega$	8 $\Omega$	8 $\Omega$
Minimum Impedance	6 $\Omega$	6 $\Omega$	7 $\Omega$	7 $\Omega$	6.7 $\Omega$	6.7 $\Omega$	7 $\Omega$	6.3 $\Omega$
Internal passive crossover frequency	1.85 kHz	1.85 kHz	1.6 kHz	1.6 kHz	1.6 kHz	1.6 kHz	1.6 kHz	
Coverage (Nominal -6 dB) H°	90°	100°	60°	90°	60°	90°	2x mounting height	
Coverage (Nominal -6 dB) V°	60°	100°	45°	55°	45°	55°	3x mounting height	
Enclosure Material	15mm weather-resistant plywood with EV Coat							
Grille	18 GA cold-rolled steel with rotatable logo (18 GA stainless steel with hydrophobic cloth on PI models)							
Environmental	IEC 60529, IP44 (IP55 for PI versions)							
Suspension	eight M10 Suspension Points, optional U Bracket or pan/tilt wall mount							four M10 inserts
H	492 mm (19.4")		616 mm (24.3")		648 mm (26.9")		528 mm (20.8")	503 mm (19.8")
W	248 mm (9.8")		395 mm (15.6")		433 mm (17.0")		411 mm (16.2")	554 mm (21.8")
D	277 mm (11.0")		401 mm (15.8")		451 mm (17.8")		648 mm (25.5")	718 mm (28.3")
Net Weight	11.2 kg (24.8 lb)		20.3 kg (44.7 lb)		25 kg (55.1 lb)		21.8 kg (48.1 lb)	32.6 kg (71.9 lb)

<sup>1</sup> Half-space measurement <sup>2</sup> EIA RS-426A (eight hours) <sup>3</sup> With recommended preset