

103IM™

DIRECT WEATHER HIGH PERFORMANCE LOUDSPEAKER SYSTEM

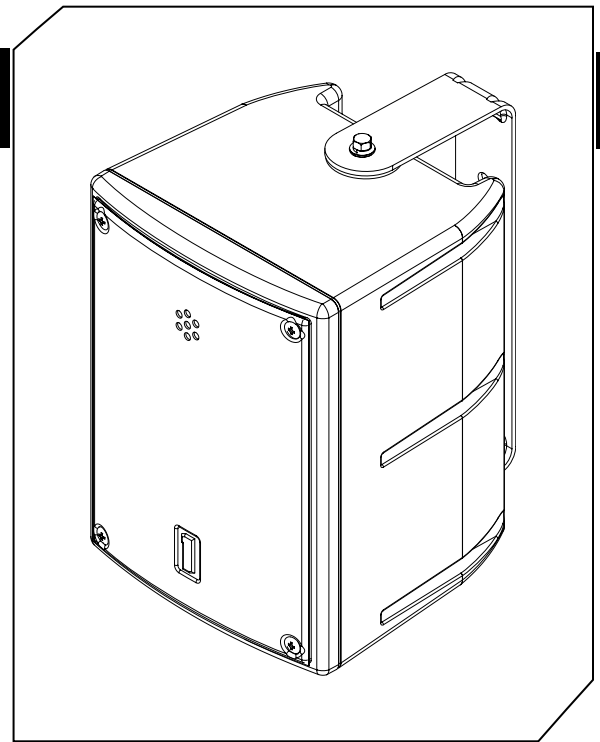
ONE SYSTEMS®

The One Systems 103IM was designed to provide excellent audio performance, impressive acoustic output for its size and IP 56-rated direct-weather performance for a variety of acoustic spaces. The 103IM is a very high-performance background / foreground system designed for use in all weather conditions.

The 103IM's design includes a high-frequency driver coupled to an elliptical constant-directivity horn. The HF coverage pattern is 90 degrees horizontal by 40 degrees vertical. The high-efficiency HF driver and advanced crossover design delivers high power handling and excellent system reliability without the need for performance-degrading passive protection devices that are typically found in loudspeaker systems in this class. The 3.5-inch (90 mm) high-performance woofer also presents a unique design feature that provides both extended bandwidth response and superior low-frequency power handling. The 3.5-inch woofer features a very large-diameter 1.25-inch (31.8 mm) voice coil design that provides excellent system reliability and superb performance. The combination of the high-efficiency horn-loaded tweeter and very large-format voice coil design in the woofer yields superior system intelligibility, good vocal range integrity and superb music reproduction

The 103IM's enclosure is injection-molded utilizing a copolymer material developed for use in extreme harsh weather environments that also offers a high degree of UV protection for use in direct sunlight. The enclosure has 2 x M5 mount points on the top and bottom of the enclosure for use with the supplied 103IM-U U-Bracket. There are also 4 x M5 mounting points on the rear of the enclosure for use with the optional PT-10 pan and tilt bracket. All 103IM's mounting points are made of stainless steel. The grille's assembly is a 3-layer design that is optimized for both acoustic transparency and protection from windblown particles and water.

The input section features a weather cover with an integral gland nut that is rated to an IP 68 standard. The system's input connectors are a four-position barrier strip. The 103IM is available in both an 8-ohm impedance as well as 70.7-volt and 100-volt versions. The optional transformers are wide-bandwidth transformers with 50-watt, 25-watt and 12.5-watt taps that are accessible through the four-position barrier strip input.

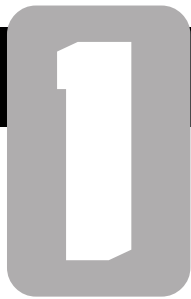


FEATURES & BENEFITS

- » Direct-weather capable, compact 3.5-inch two-way system
- » 3.5-inch woofer with large-sized 1.25-inch voice coil
- » High-performance tweeter with 90o x 40o waveguide
- » Available in black or white, low-impedance or transformer-coupled versions
- » U-Bracket included
- » Stainless steel grille and rigging
- » No performance-degrading passive protection devices
- » 50 watts continuous, 200 watts peak power handling

SPECIFICATIONS

Frequency Response:	85 – 20,000 Hz
Coverage Pattern:	90° H x 40° V
Crossover Frequency:	3,000 Hz
System Sensitivity (1watt / 1meter):	87 dB
Power Handling:	50 watts continuous, 100 watts program, 200 watts peak*
Optional Transformer Taps:	12.5 watts, 25 watts, 50 watts
Nominal Impedance:	8 ohms
Weather Performance:	IP56



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SPECIFICATIONS (continued)

Dimensions (H x W x D) mm: 211.2 x 156.2 x 130.5

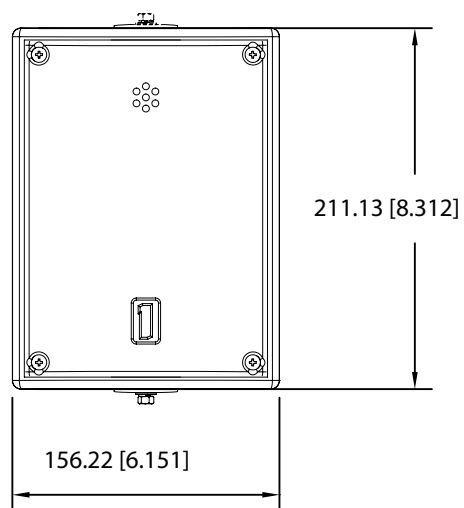
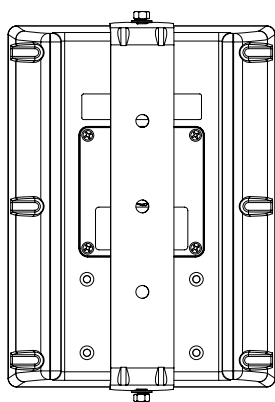
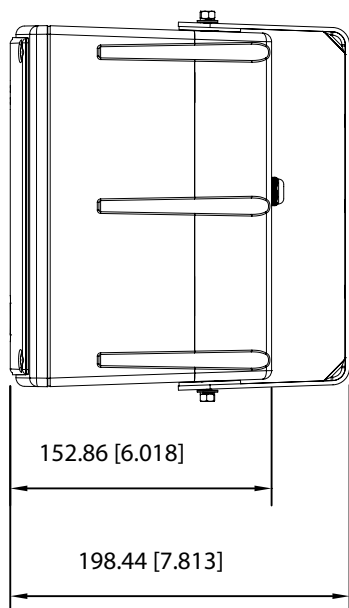
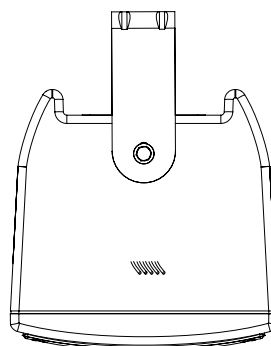
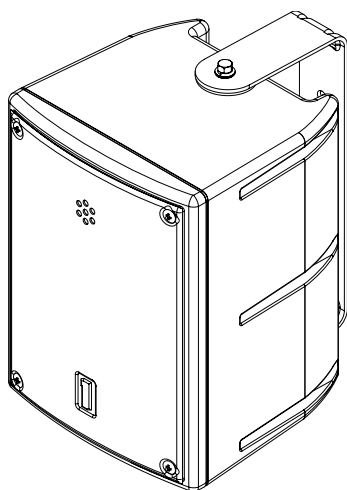
Dimensions (H x W x D) in: 8.3 x 6.15 x 5.1

Net Weight (kg lb): 3.0 kg / 6.6 lb.

70.7 / 100V Versions: 3.5 kg / 7.7 lb

Shipping Weight: 3.4 kg / 7.48 lb.

70.7 / 100 V Versions: 3.8 kg / 8.36 lb



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