

## Features

- **5.25", 2-way design**—in a lightweight, contemporary styled multipurpose enclosure
- **Magnetically shielded LF transducer**—ideal for use near video monitors
- **Flexible ball mount assembly included**—for convenient installation
- **70/100 volt transformer versions available**—for use with distributed audio systems
- **Optional yoke mount bracket available**



The QSC AcousticDesign™ AD-S52 is a full range, surface mount loudspeaker with sleek, contemporary styling that fits perfectly into multiple environments and applications including hotels, restaurants, convention facilities, and multimedia environments. The loudspeaker's low-frequency driver is magnetically shielded, making the AD-S52 perfect for use near video monitors. Available in black or white, these great sounding, weather resistant enclosures can be painted to match any specific decor.

The AD-S52 is a high output, 2-way design incorporating a 5.25" weatherproof, LF transducer and a 1" neodymium tweeter. This exceptional loudspeaker carries the added benefit of built-in dynamic power protection—thus ensuring system reliability in the event of overload conditions.

The AD-S52T models are equipped with a 70/100 volt matching transformer for distributed audio systems. There is a transformer tap switch on the rear panel for setting the power level of the loudspeaker. This switch may also be set for 8 ohm operation, bypassing the transformer completely—providing greater system flexibility compared to most competing products.

The AD-S52 system package includes a ball mount assembly for convenient installation of the enclosure in a wide variety of orientations. If desired, the ball mount adapter's back plate can be removed, reducing the overall depth of the assembly and the footprint of the mount on the wall. Further, the assembly includes a weather resistant input connection cover to protect the 5-way binding post input terminals.

## Specifications

|                                  | AD-S52  | AD-S52T   |
|----------------------------------|---|---|
| Configuration                    | Compact 2-way, ported enclosure                                     | Compact 2-way, ported enclosure                             |
| Transducers                      |   |   |
| Low-frequency Transducers        | 5.25" shielded  | 5.25" shielded  |
| High-frequency Transducer        | 1" neodymium tweeter  | 1" neodymium tweeter  |
| Frequency Range <sup>1</sup>     |   |   |
| Frequency Response (-6 dB)       | 75 Hz - 19 kHz  | 75 Hz - 19 kHz  |
| Useable Frequency Range (-10 dB) | 60 Hz - 20 kHz  | 60 Hz - 20 kHz  |
| Maximum Output <sup>2</sup>      |   |   |
| Calculated Peak Output           | 110 dB SPL  | 107 dB SPL  |
| Calculated Continuous Output     | 104 dB SPL  | 101 dB SPL  |
| Nominal Impedance                | 8Ω  | 8Ω switchable   |
| Power Rating                     |   |   |
| RMS Power Handling <sup>3</sup>  | 60 W (100 hours IEC)  | 60 W (100 hours IEC)  |
| Recommended Max Amp Power        | 120 W RMS   | 120 W RMS   |
| Sensitivity                      | 87.5 dB, 2.83 V, 1 m, free field (4π)                               | 86 dB, 2.83 V, 1 m, free field (4π)                         |
| Nominal Coverage (HV)            | 90° x 90°   | 90° x 90°   |
| Transformers                     |   |   |
| Type                             | —   | Custom low distortion laminated core, wide bandwidth design |
| Taps                             | —   | 70 V: 30, 15, 7.5, 3.75 W<br>100 V: 30, 15, 7.5 W           |
| Enclosure                        |   |   |
| Material                         | Injection molded, weather resistant, high impact polystyrene        |   |
| Finish                           | White or black (paintable)  |   |
| Weather Resistant                | Yes   |   |
| Grille                           | Heavy duty powder coated aluminum                                   |   |
| Connectors                       | Pair of 5-way binding posts   |   |
| Mounting Hardware                | Included ball mount assembly; optional yoke mount bracket available |   |
| Weight - Net / Shipping          | 15 lb (6.8 kg) / 22 lb (10 kg)                                      | 18 lb. (8.2 kg) / 25 lb (11.4 kg)                           |

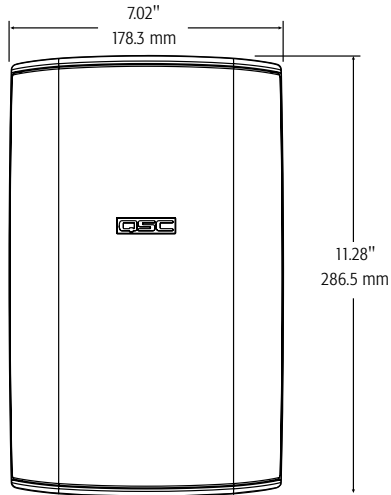
1) All frequency ranges specified refer to measured free field response (half space, 4π)

2) Calculated SPL at 1m, (half space, 4π), speaker operating at rated RMS power with 6 dB crest factor pink noise input, 50 Hz - 20 kHz

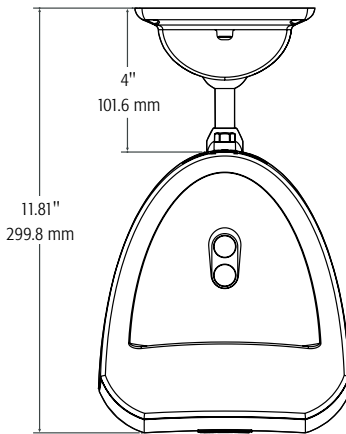
3) Maximum input power tested in accordance with IEC 268-5 recommendations, 80 Hz - 20 kHz band limiting, 6 dB signal crest factor

# AD-S52

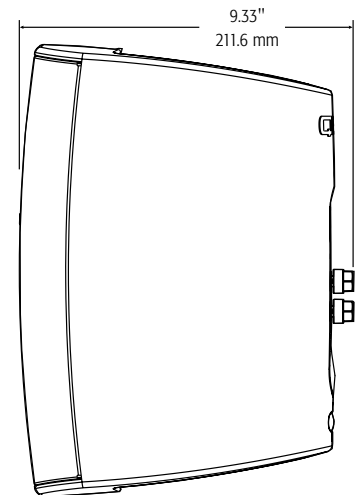
## Dimensions | Frequency Response and Impedance



Front

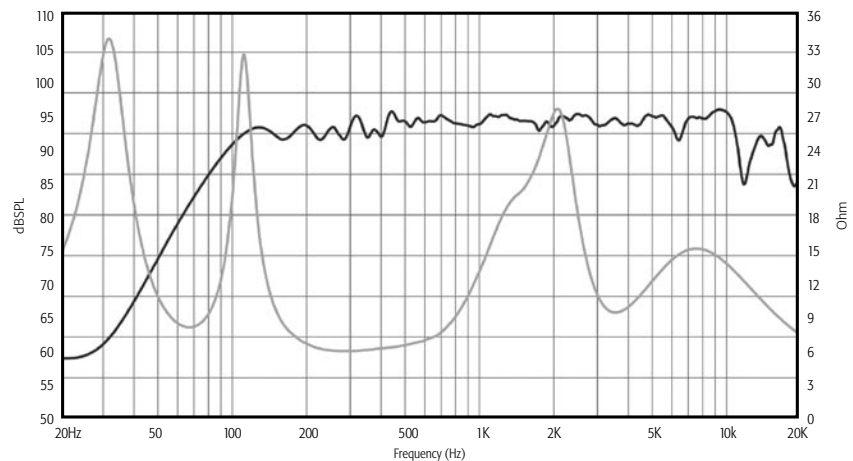


Top



Side

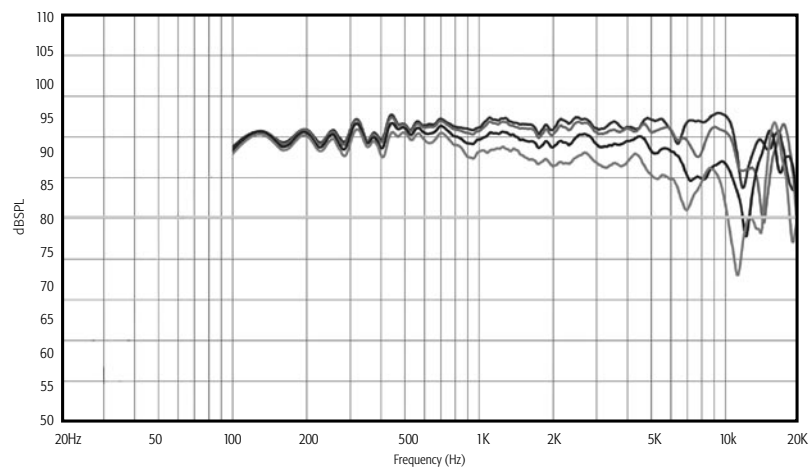
### Frequency Response and Impedance\*



### Horizontal Off-Axis Frequency Response\*\* (0°, 15°, 30°, 45°)

\*Graph shows free field SPL at 1 W, 1 m

\*\*1/3rd octave smoothing applied to off-axis curves for clarity



Specifications subject to change without notice.