

# SM950-2

product group: **Stage Monitor**  
system type: **15" LF + 10"x 2" Integrated Mid / High**

## **A** construction

The SM950-2 is an ultrahigh definition, full range, 3-way stage / floor monitor system in a computer optimized enclosure. Loud-speaker complement consists of a hybrid between a single 15" LF woofer and a 10" x 2" Integrated PointSource™ midrange woofer and compression driver. An optimized switchable triamp to biamp passive crossover network is optionally available. The enclosure is constructed of durable 12-ply void-free birch laminate, dadoed for strength and durability. Carrying points are integrated into the enclosure. Perforated steel and acoustically transparent foam is employed for frontal protection of the loudspeaker complement.



**Features:**

- Integrated PointSource™ Design**
- Ultra-High Definition UTD™ Compression Driver**
- Ultra-Low Profile**
- 12 ply Dadoed Construction**
- Durable ProCoat™ Elastomeric Finish**



## **💡** the idea behind it

The SM950-2 was designed as a multipurpose, ultra-low profile, full range monitoring system for professional touring and other staging applications. The SM950-2 utilizes McCauley's Integrated PointSource™ componentry for unmatched definition and output. Its pentagonal profile offers 2 usable

positioning angles for monitoring, while the system can also be stood upright to double as full range P.A.

**Application:**

**Professional Touring Monitor**

## performance parameters | physical properties

<b>power handling</b>	<b>1100w RMS</b>	<b>weight</b>	<b>78lbs / 35kgs</b>
<b>frequency response</b>	<b>70Hz - 23kHz</b>	<b>dimensions</b> <small>inches</small>	<b>17H x 29w x 15d</b>
<b>nominal impedance</b>		<b>finish</b>	<b>ProCoat™</b>
Low	<b>8Ω</b>	<b>enclosure material</b>	<b>5/8" 12-ply Finland Birch</b>
Mid	<b>8Ω</b>	<b>construction</b>	<b>rabbet &amp; dadoed</b>
High	<b>16Ω</b>	<b>suspension</b>	<b>none</b>
<b>sensitivity</b>		<b>connectors</b>	<b>parallel NL8</b>
Low	<b>98db</b>	<b>transducers</b>	<b>(1) 15" LF</b>
Mid	<b>102db</b>		<b>(1) 2"x 10" Integrated</b>
High	<b>111dB</b>		<b>PointSource™ Component</b>
<b>maximum output SPL</b>			
Continuous	<b>130db</b>		
Peak	<b>136db</b>		
<b>recommended crossover</b>	<b>250Hz / 1.5kHz</b>		
<b>directivity/coverage</b>	<b>80°x80° (HxV)</b>		

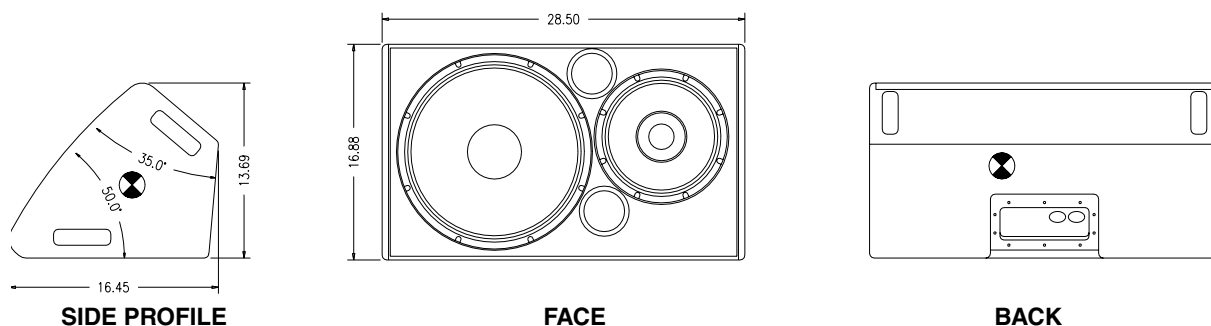
# technical specifications

**SM950-2**  
3-WAY FULL RANGE STAGE MONITOR

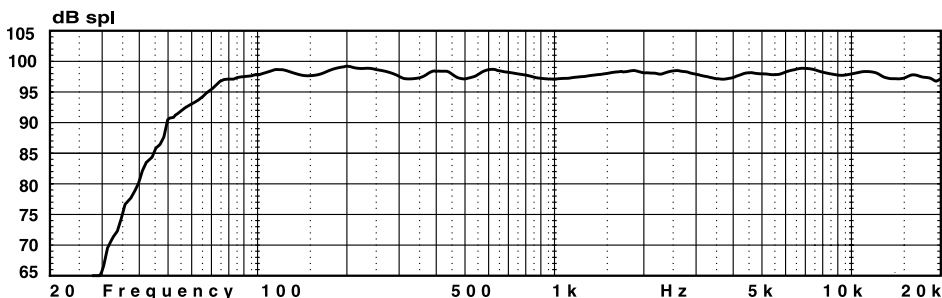
## architectural specifications

The loudspeaker shall be a full-range three-way tri-amped stage monitor type. It shall comprise of one low 15" McCauley transducer and one mid/high frequency Integrated PointSource™ driver. The 15" low frequency transducer shall incorporate the "Focused Field" removable magnet structure design. It shall have a power capacity of 550 watts RMS and 900 watts peak and a sensitivity of 98 dB measured at 1 meter with 2.83 volts into a nominal 8 ohm load. The Mid frequency driver shall incorporate the "Focused Field" removable magnet structure design and shall have a power capacity of 400 watts RMS and 800 watts peak and a sensitivity of 102 dB measured at 1 meter with 2.83 volts into a nominal 8 ohm load. The high frequency driver shall incorporate a Unified Titanium Technology diaphragm with a power handling capacity of 150 watts RMS above 1.5 kHz and a sensitivity of 111 dB measured at 1 meter with 2.83 volts into a nominal 16 ohm load. The combined loudspeaker system shall be capable of 130 dB SPL continuous and 136 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 70 Hz to 18 kHz +/- 3 dB (60 Hz to 23 kHz - 10 dB). The loudspeaker shall offer a nominal coverage angle of 80° conical. The loudspeaker enclosure shall weigh a total of 100 lbs. and shall measure 17 inches tall and 28.5 wide, and 15 inches in depth. The enclosure shall be constructed of 12-ply void-free birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. Electrical connections shall be made via paralleled NL-8 connectors. The loudspeaker shall be the McCauley SM950-2.

## dimensional illustrations



## response data



on axis response  
(2.83v @ 1m, free-field conditions)

## polar data

Outer ring is +6dB, each ring represents an additional -6dB down.  
For vertical plots, 90° represents the top of an enclosure, 270° is the bottom.

