**SPECIFICATIONS**

**Loudspeaker Type:** Two-way, full-range, bass ported stage monitor

**Operating Range:**
- 55 Hz to 18 kHz
- 80 Hz to 16 kHz (±2 dB)

**PASSIVE MODE SPECIFICATIONS**

- **Max Input (Passive):** 300W continuous, 750W program
- **Recommended Power Amplifier:** 630W to 900W @ 8 ohms
- **Sensitivity (1W/1m):**
  - HF - 8 ohms
  - LF - 97 dB SPL (100 Hz to 16 kHz 1/3 octave bands)
  - LF - 98 dB SPL (250 Hz to 4 kHz speech range)
- **Maximum Output:** 122 dB SPL / 129 dB SPL (peak)
- **Nominal Impedance:** 8 ohms
- **Minimum Impedance:** 5.3 ohms @ 1.9 kHz

**BI-AMP MODE SPECIFICATIONS**

- **Max Input (Bi-amp):**
  - HF - same as for passive mode
  - LF - 80W continuous, 160W program
  - HF - 25 volts RMS, 51 volts momentary peak
- **Recommended Power Amplifier:**
  - LF - 130W to 190W @ 8 ohms
  - HF - 106 dB SPL (2 kHz to 16 kHz 1/3 octave bands)
- **Sensitivity (1W/1m):**
  - HF - 8 ohms
  - LF - 99 dB SPL (100 Hz to 1600 Hz 1/3 octave bands)
  - LF - 106 dB SPL (2 kHz to 16 kHz 1/3 octave bands)
- **Maximum Output:** 124 dB SPL / 131 dB SPL (peak)
- **Nominal Impedance:** LF - 8 ohms
- **Crossover Frequency:** 1.5 kHz
- **Recommended Signal Processing (bi-amp):** 60 Hz high pass filter

**M12 MONITOR SPECIFICATIONS**

- **Nominal -6dB Beamwidth:** 40°-90° H x 70° V
- **Axial Q / Dd:** 7.1 / 8.5, 1.5 kHz to 12.5 kHz
- **Recommended Signal Processing:** 60 Hz high pass filter
- **Drivers:** LF 1 x 12" Ferrofluid-cooled
- **Driver Protection:** None
- **Input Connection:** (2) Neutrik NL4MP
- **Controls:** Bi-amp/Passive switch
- **Enclosure:** Multilayer glass composite
- **Grille:** 18-gauge perforated steel
- **Required Accessories:** DSP for bi-amp operation
- **Supplied Accessories:** None
- **Optional Accessories:**
  - M12-RDCASe2 roadcase for two M12 monitors
  - M12-RDCASe4 roadcase for four M12 monitors
- **Dimensions - Height:** 10.5 inches (266.7 mm)
- **Width:** 21.5 inches (546.1 mm) - widest point
- **Depth:** 20.75 inches (527.1 mm)
- **Weight:** 75 lbs (34.1 kg)
- **Shipping Weight:** 73 lbs (33.1 kg)

**NOTES:**
1. Sensitivity (passive): Free field pink noise measurement at 10 ft (3 m) at 65% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Sensitivity (bi-amp): Free field pink noise measurement at 12 ft (3.7 m) at 65% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
3. Watts: All wattage figures are calculated using the rated nominal impedance.

**APPLICATIONS**
- Teledized live events
- Live stage and small theatre events
- Corporate events
- Conference rooms
- Houses of worship
- Auditoria, lecture halls

**FEATURES**
- Low profile, high style exterior with small footprint
- Multilayer glass composite construction
- Non-reflective black or white exterior with matching heavy-duty non-reflective grille
- Ergonomic rubber pocket grip handles
- High powered, 12-inch woofer
- 2-inch wide-band compression driver on an asymmetrical horn
- Switchable bi-amp/passive configuration with well protected dual NL4 connectors
- Available in mirror right or left horn configurations
- Five-year warranty

**DESCRIPTION**

The M12 stage monitor system is a high style, no-compromise solution to the demands of high performance monitoring. At 10 ½ high, the M12 offers clean sightlines for the audience and the camera. The rugged multilayer glass composite construction, “Texas Boot-proof” stainless steel grille and an abrasion resistant non-reflective finish make the M12 an excellent choice for TV broadcasts and stage productions. The dual NL4 connectors are tucked safely away in a pocket beneath the M12. Specially molded channels and cable clips allow the user to bring the speaker cables out of the back or either side of the monitor. These exits also allow easy positioning of the monitor. The M12 contains a high-powered 12" woofer and a 2" exit B&C wide band high frequency driver. The high frequency driver is mounted to a molded one-piece asymmetrical horn with a 90-degree pattern at the top and 40 degree at the bottom, allowing full-range monitor output close up or at a distance.
The loudspeaker system shall be a two-way, full-range stage monitor design with one 12-inch woofer and one 2-inch exit HF driver mounted to a 40-90° H x 70° V molded horn. There shall be two NL4MP locking connectors. The loudspeaker enclosure shall be multilayer glass composite construction in a non-reflective black or white finish, with a matching non-reflective 18-gauge perforated steel grille. The system shall have an amplitude response of 55 Hz to 18 kHz (+/-2 dB), input capability of 49V RMS, 97 dB sensitivity at one meter and 2.83 V/8 ohms nominal impedance in the passive mode. The nominal dispersion shall be 40-90° H x 70° V. The loudspeaker shall be 10.5" (266.7 mm) H x 21.5" (546.1 mm) x W x 20.75" (527.1 mm) D and weigh 56 lbs (25.4 kg).