



PRODUCT LINE: CASCADE SERIES

FEATURES/BENEFITS

FEATURE	ADVANTAGES	LISTENING BENEFITS
■ WOOFER		
Maximum Radiating Surface™ (MRS™) Transducer	Delivers high output levels with minimal breakup or power compression; Uniform dispersion, both on- and off-axis	Reproduces music and movie soundtracks as they were intended to be heard with incredibly low distortion
CMMD™	Moves the diaphragm's resonant frequency outside the driver's operating band	Virtually eliminates distortion caused by the diaphragm material
Neodymium Magnet	Offers high magnetic energy in a compact, lightweight package	Inherently magnetically shielded and allows for flat panel driver design
Elliptical Voice Coil	Allows for maximum contact area between the coils and the diaphragm as well as placing more wire in the static magnetic field.	Reproduces music and movie soundtracks with more clarity, dynamics and lower distortion
■ TWEETER		
Extended High-Frequency Tweeter	Delivers high frequencies out to 40kHz	Perfect for the latest DVD-Audio and SACD formats
CAI Waveguide	Better integration of tweeter and woofer results in smooth high frequencies across the entire listening area	Sounds great everywhere in the room.
CMMD™	Moves the diaphragm's resonant frequency outside the driver's operating band	Virtually eliminates distortion caused by the diaphragm material
■ CROSSOVER		
High grade mylar capacitors, metal film resistors and air core inductors	Reduce distortion and improve stability and precision	Directs specific frequencies to each driver with minimal phase shifts ensuring optimum system performance and imaging
Bi-Wire Capability	Allows the use of different speaker wires and amplifiers for low and high frequency drivers	Allows user to select equipment and cables that sound best with each of the driver elements
Gold-Plated Binding Posts	Provide secure connection of speaker wire	Better connections provide more signal to the speaker for more detailed sound
■ ENCLOSURE		
Extruded Aluminum Enclosure	The aluminum enclosure is acoustically inert	Limits unwanted distortion caused by enclosure vibration
Curved Front Baffle	Provide maximum stability and rigidity providing a solid platform on which to mount the drivers.	Maximizes imaging and soundstage
■ SUBWOOFER		
Room Adaptive Bass Optimization System™ (R.A.B.O.S.™)	Minimizes the most prevalent bass peak in the listening room	Allows user to easily fine tune and optimize bass response in their particular listening room
LFE Input	Allows connection of Dolby Digital/DTS receivers and processors that already contain their own crossover adjustments.	Better sound and system integration, since the signals are not processed more than once.
High Output Amplifier	Delivers much more power with lower distortion than low power amplifier designs.	Delivers deep, powerful bass even at high listening levels.

