



Exceptionally good sounding,  
modernistic sculpture and  
innovative sound concept:

**i-cube**



# i-CUBE

**Exceptionally good sounding,  
modernistic sculpture and  
innovative sound concept:  
i-cube is all of it!**

The avant-garde loudspeaker consists of three stacked cubes with an edge length of 35 cm. The two lower ones are considered for an incomparably dry low frequency and the upper cube for the clear mid-high frequency. We supply the plans and the best ingredients to give you the opportunity to produce the concept according to your design and sound ideas. By request, we can manufacture the complete loudspeakers.

The two sculptures of three cubes are complemented by another object containing the power amplifiers: One module per channel, because i-cube is a true 3-way active loudspeaker with DSP crossover. On one hand it enables a completely time-corrected set-up with balanced frequency and phase response. On the other hand the loudspeakers can also be subtly adjusted to the room acoustics.

The two woofer cubes with four 25cm bass drivers operate from 25-80 Hz and form the powder-dry foundation. They are slot-loaded dipole woofers with kidney-shaped radiation in longitudinal direction. The advantage is that transversely the room modes are excited much less. That's why dipole woofers do not work on a volume and nothing booms out of a cabinet. The horizontal W-shaped design is unconventional and efficient. The two opposing bass drivers work together towards the front on a slot-shaped air volume as an additional mass. Towards the rear, they work on separate slots, each with specially tuned, larger volumes.





The bass drivers mutually compensate for the forces they transmit to the cabinet and vibrations tend towards zero. What remains is a clean and completely purified bass.

The volume of midrange-tweeter unit is designed as a closed cabinet with 22 litres. It is large enough for most bass-midrange drivers with a diameter of 17cm to be selected. Above that, there is room for a compact tweeter. Its diaphragm material can also be chosen according to preference. The proximity of the drivers improves the dispersion behaviour and the crossover range. The design allows a low crossover frequency to the bass unit of 80Hz. Thanks to the DSP crossover, tonal preferences can be easily implemented, as the various frequency charts show. The round cover gives the object a minimalist design.

Hypex's DSP electronics are housed in a separate enclosure and are elegantly connected to the speakers via Speakon connectors with a 3-channel design. Hypex is a leader in the development of high-quality Class D power amplifiers under the ncore® label for audiophile applications. Numerous manufacturers use them in finished products.

Experience i-Cube in our venue and discuss your personal project with us!



#### Components used:

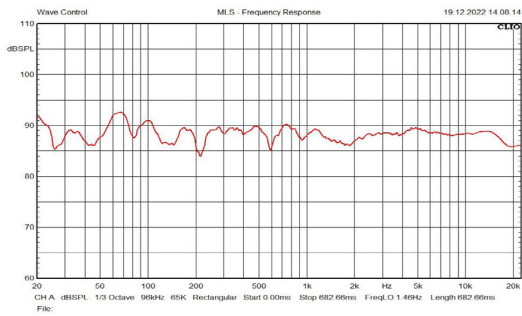
- Scan Speak 26W/4534G00
- Scan Speak 18WU/4741T00
- Scan Speak D3004/604010
- Hypex FA253

#### Prices:

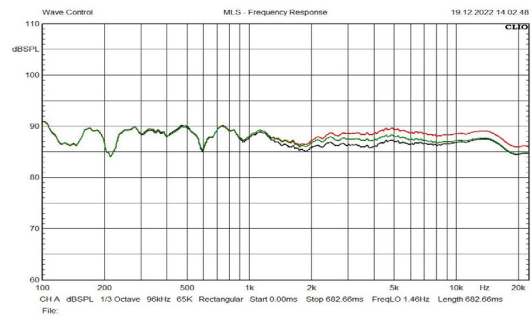
- Kit with listed components and plan CHF 4'000.00/pair
- Ready-made loudspeakers CHF 14'600.00/pair



### i-CUBE Frequency response

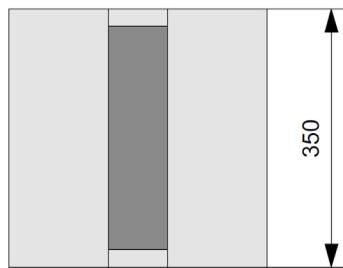


### i-CUBE Fine-tuning



### i-CUBE Structure

View



Cross-section

