

OPERA 10



Exceptional power and a unique acoustic design combine in order to deliver a vigorous yet accurate audio performance, successfully adaptable to both playback and live music applications.



FEATURES

- ***1200 W PEAK POWER***
 - ***600 W RMS POWER***
 - ***NEWLY DESIGNED ASYMMETRICAL HORN***
 - ***ADVANCED DSP WITH FIR FILTERS***
 - ***2 INPUT CHANNELS (MIC-LINE/MIC-INSTR)***
 - ***SELECTABLE OUTPUT CHANNEL (LINK CH₁/MIX CH 1+2)***
 - ***8 EQ PRESETS***
 - ***FRESH FULL GRILLE DESIGN***
 - ***STAGE MONITOR USE***
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OVERVIEW

With the new OPERA series, dBTechnologies succeeded once again in packing leading edge DSP processing, advanced design features and user friendliness in an unrivalled cabinet in its price range.

Exceptional power and a unique acoustic design combine in order to deliver a vigorous yet pristine sound, successfully adaptable to both playback and live music applications.

Opera's asymmetrical horn has been completely redesigned in order to obtain both an asymmetrical vertical dispersion and a double horizontal dispersion, ensuring an optimized throw pattern.

The system is equipped with a powerful Class D 600 W amplifier featuring advanced DSP processing where FIR filters allow the systems to deliver a coherent audio performance, uniform and crystal-clear from every listening position.

TECH SPECS

Technical Data

Speaker Type 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB] 58 - 20.000 Hz
 Frequency Response [- 3dB] 70 - 19.600 Hz
 Max SPL 128 dB
 HF 1" Exit, 1.4 v.c.
 Type HF Compression driver
 Horizontal Directivity 100° (85° up/120° down)
 Vertical Directivity 85° (+ 25°/-60°)
 Horn Asymmetrical Horn
 LF 10", 2" v.c.

Amplifier

Amp Technology Amp SMPS Power supply dual range
 Amp Class Class D
 RMS Power 600 W
 Peak Power 1200 W

Processor

Controller DSP 56 bit
 AD/DA Converter 24 bit/48 KHz
 System Presets Rotary Encoder (8 Presets)
 CrossOver Frequency 2000 Hz
 Limiter Peak, RMS, Thermal
 Advanced DSP Functions Linear Phase FIR Filters

Input

Signal Input 1xCombo (XLR/Jack 6.3 mm) MIC/Line

Signal Output 1xCombo (XLR/Jack 6.3 mm) MIC/Inst
 1x XLR Male (CH1 Link/Mix OUT)
 Selectable

Mechanics

Housing Polypropylene
 Grille Full grille
 Handles 1 on left Side, 1 on Top
 Rigging Points 2XM10 on Top + 1x M10 on Back
 Pole Mount D36 mm
 Angles up Monitor use 45°
 Width 300 mm (11.81 in)
 Height 552 mm (21.73 in)
 Depth 301 mm (11.85 in)
 Weight 12.3 kg (27.12 lbs)

Notes: The data are not binding; dBTechnologies reserves the right to modify the data at any time and without previous notice.