# FRENEXPORT

## ZEUS 1350CA
# 1-CHANNEL 350W MULTIPURPOSE POWER AMPLIFIER

Helvia Zeus CA series is designed for the world of small-medium commercial audio systems, both on 70V or 100V constant voltage lines, and low-impedance lines from 4 to 16 ohm. It offers 1, 2 and 4 channels Class-D amplifiers with 120W, 240W and 350W RMS powers.

Each channel is independent and equipped with its own line transformer, therefore it is possible to choose between 70/100V or 4-16 ohm low-impedance for each of them, offering maximum versatility according to the specific needs of each zone.

Each channel is equipped, in addition to volume, Led VU-meter and clip indicator, with gain adjustment on the rear panel. There is also an HPF filter with a cut-off frequency at 400Hz. Both inputs and outputs are balanced with XLR connectors; all power outs are with Phoenix (Europlug) connection. The versions with 1 and 2 channels are also equipped with DC 24V auxiliary power input for any emergency purposes.

Helvia paid high attention to safety, reliability and duration over time of these amplifiers. Each channel is equipped with muting system at power on, signal limiter, thermal protection and current limitation. The cooling system with fan speed controlled by internal temperature, is also reinforced thanks to the 19" 2U Rack standard size that increases the thermal dissipation.

The quality is not only based on the accurate selection of active and passive components, but also on the quality of raw materials used for line transformers, and in the use of digital processing to offer stability, reliability and high-level sound performance.

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70/100V

Ω

+24V

19"
Rack

Class-D

Contr.
Fan

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## HIGHLIGHTS



### MULTICHANNEL SOLUTIONS FOR MAXIMUM VERSATILITY

Commercial audio applications today require not only reliability and robustness, but also excellent audio quality and extreme versatility in adapting systems to multiple needs even within the same installation.

The ZEUS CA series offers multichannel solutions from 1 to 4 zones and power ratings from 120W to 350W RMS for each channel. Each zone is completely independent, and you can choose between an output of 70V/100V or a low impedance output between 4 and 16 ohms.

### RELIABILITY AND SOUND QUALITY

Safety, reliability and durability are the premises from which Helvia started in their design. The digital processing is used to protect the amplifier and speakers from signal peaks, excessive overheating and overloading, but it is the same 2-unit 19" rack format designed to promote thermal dissipation and increase the efficiency of the processor-controlled speed fan cooling system.

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## PRODUCT DETAILS

### KEY FEATURES

1 channel, 350W

70V – 100V and 4-16ohm operation

2 Unit 19" Rack Standard for maximum heat dissipation

High-quality components for maximum reliability

24VDC Auxiliary Power Supply for EMC purposes

Full protection system including signal limiter, thermal protection, and current limiting

Variable-speed fans for quiet and efficient cooling

### SPECIFICATIONS

| | | |
|---|---|---|
| **100V RMS Output Power** | 350W | |
| **70V RMS Output Power** | 350W | |
| **4-16? RMS Output Power** | 350W @ 4? | |
| **Input Sensitivity** | 1V/Gain max @ 0.775V | |
| **Input Impedance** | 20K? ±10% | |
| **HPF Filter** | ON = 400Hz-20kHz; OFF = 80-20kHz | |
| **Frequency response** | 80-20kHz/ 400Hz-20kHz | |
| **THD (1W @ 1KHZ)** | < 0.05% | |
| **Damping Factor** | | >300 @ 100 Hz |
| **Crosstalk** | | ?70dB |

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| | | |
|---|---|---|
| **S/N Ratio** | | ?85dB |
| **Amplifier Class** | | Class D |
| **Power Requirements** | | AC 230V/DC24V |
| **Power Consumption (Average/Peak)** | | 440W (Average) |
| **Input Connectors** | | 3-Pin Female XLR |
| **Output Connectors** | | 5-Pin Phoenix |
| **Ch Output Connectors** | 3-Pin Male XLR | |
| **Cooling** | Temperature controlled fan | |
| **Dimension (WxDxH)** | 484x400x88 mm (19.0 x 15.7 x 3.5 in) | |
| **Rack Mount** | 2x 19" Rack Units | |
| **Packing Size (WxDxH)** | 550 x 500 x 170 mm (21.6 x 19.7 x 6.7 in) | |
| **Net Weight** | 9,4 kg (20.7 lbs.) | |
| **Gross Weight** | 11,0 kg (24,2 lbs.) | |