

JUNIOR

- *Augmented Audio Device* -

1. Technical Characteristics

The Junior is an opaque HMD and designed for Augmented Reality (AR) applications. It is an opto-electronic device that projects an image from a video source using near-the-eye micro-displays on a special designed lens and two beam splitters. Junior is a plug on device that connects wireless to smart phones, laptops and computers. No special drivers are required.

You can wear it without attachment under any kind of industrial or military helmets.

2. Technical Characteristics,

Micro Displays	resolution 640 x 400 pixels
Display Color	RGB
Frame Rate	50 fps
Luminance	800 CD/m ²
Transparency	Opaque
FOV (diagonal)	15 degrees optics,
Eye Relief	30 mm
battery	180 minutes operational, loading 30 minutes
Bluetooth	ESP32
Operating Temperature	-40° C to +70° C (operating temperature display)
Weight	43 g
Dimensions (L/H/D)	130 mm x 20 mm x 25 mm
Audio	Integrated microphone
Certification	IP 68

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