



AIRO

AIRO: Biocular Head Mounted Display

Cinoptics developed the AIRO series especially for Augmented Reality applications, particularly effective in hands free procedures. The lightweight AIRO Biocular Head Mounted Display is the optical See Through solution for applications that involve training and simulating, medical navigation, maintenance support, logistics and more. The series is also available in a Monocular and a Helmet Mounted version.

Specifications*:

Optical

Field of view	50 - 39(H)x31.25°(V)
IPD adjustment	Yes
Dioptric adjustment	No
Transparency	70%

Display

Display technology	FLCoS
Number of displays	2
3D capable	Yes
Resolution	1280 x 1024
Aspect Ratio	5:4
Refresh rate	60 - 85Hz
Color depth	24bpp (true color)
Brightness	Adjustable
Contrast ratio	300:1
Display diameter	22.4mm (0.88")
Total pixels	1.310.720 x RGB
Pixel pitch	13.62µm x 13.62µm

HMD

Interfaces	2x DP 2x USB / 3x USB 1x Power
Audio	Optional
Control	USB
Camera	Optional
Head tracking	Optional
Weight	380g
Power	
Input voltage	12V
Power	7,5W

*Specifications are subject to change without prior notice

About Cinoptics:

Cinoptics defines, designs and manufactures electronic optic systems for integration in Virtual and Augmented Reality applications. Cinoptics offers a clear perspective on complex technologies. Due to our experience, vision and extensive network we can transform specific needs into tangible results.

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