



2014:
*good industrial
design*

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Good Industrial Design

IRIS: Virtual Microscope

Cinoptics full colour IRIS Virtual Microscope provides imaging for medical simulations and training applications. Built around the highest quality optics in the industry and most reliable electronics, Cinoptics provide the optimal solution to simulate scientific instrumentation and form the basis for many similar simulators.

The IRIS received the 2014 good industrial design award in combination with the MSICS (Manual Small Incision Cataract Surgery) Simulator developed for HelpMeSee.

Specifications*:

Optical

Field of view	40° Circular	Exit Pupil	7mm
IPD adjustment	52 - 72mm	Eye Relief	28mm
Dioptric adjustment	+4.0 to -6	Viewing angle	0 - 45° from Horizontal

Display

Display technology	FLCoS
Number of displays	2
3D capable	Yes
Resolution	1280x1024 p/display
Aspect Ratio	5:4
Refresh rate	60 - 85 Hz
Color depth	24bpp
Brightness	> 70 fL
Contrast ratio	1: 300
Display diameter	22.4mm (0.88")
Total pixels	1.310.720 p/display
Pixel pitch	13.62 µm
Fill Factor	> 96%

HMD

Interfaces	2x DP 1x USB 1x Power
Audio	No
Control	Yes (USB)
Camera	Optional
Tracking	Optional
Weight	TBD <2KG

Power

Power	7,5W
Input voltage	12V

NB. Above configuration is also available with a 56° circular field of view

*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.

Contact:

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