



## NOTUS: Head Mounted Microscope Camera

Cinoptics developed the NOTUS specifically for dental applications. It is fitted with 2 high performance cameras that can pick up the smallest details due to optical magnification. The lightweight OLED based NOTUS is designed for daily use in dental surgery for digital patient assessment but is also suitable for applications that involve training and simulating, medical navigation, maintenance support, logistics and more.

The NOTUS is a welcome addition to the existing range of Head Mounted Displays and can be configured to meet your specific requirements.

### Specifications\*:

#### Optical

Field of view	~40° diagonal
IPD adjustment	Yes
Dioptric adjustment	No
Transparency	No

#### Display

Display technology	OLED
Number of displays	2
3D capable	Yes
Resolution	1280x720 (720p)
Aspect Ratio	16:9
Refresh rate	60 Hz
Color depth	24bpp (true color)
Brightness	200 cd/m <sup>2</sup>
Contrast ratio	1:10,000
Display diameter	0.71"
Total pixels	2,764,800
Pixel pitch	12.3 μm

#### Camera Technology

Pixels	8 MP
Image sensor	1/4 CMOS
Resolution	720P @ 60 FPS
Focus	Up to 12x optical
Focus range	250 to 450mm*

#### HMD

Interfaces	2x DP 1x USB 1x Power
Audio	Optional
Control	USB
Camera	Dual Output
Head tracking	Optional
Weight	<700 grams

#### Power

Input voltage	12V
Power	3.5W

\*Focus preset at production (not adjustable)

Full HD (1920x1080) version will become available in Q4 2016

NB. 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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