

Cybermind introduces the first SXGA Optical See through Monocular with fixed camera option and 50 degrees Field of View. Compatible with HDMI out (smartphones and tablets).

Cyber-I



The optical solution for hands free applications

- ❖ Homeland Security and the Defence Industry: (combat) training & simulation
- ❖ Maintenance and logistics applications: engineering training & simulation, logistics training & simulation, product placement, telemaintenance, telepresence
- ❖ Support of medical procedures

General Features

- Optical See-Through
- Daylight filter
- Full SXGA FLCOS display
- Almost no influence of outside illumination to the view
- Low power consumption
- Large Field of View
- A fully adjustable frame
- Durable
- User friendly operations
- Compatible with latest smartphones (HDMI out and tablets)
- High transparency
- Proven technology
- Lightweight
- Full stereoscopic binocular type also available

Additional options

- Eyetracking
- IR led's
- Microphone
- Voice recognition
- Headphone
- External Belt Battery pack
- Wearable PC



Specifications**Structure**

See-through type

70% transparent standard

Display

FLCoS, reflecting, single plate type

Screen quality: SXGA (1280x1024), about 1.3 million pixels x RGB

Pixel pitch 13,62 μ m

Color depth 24 bits.

Response time 0.1ms

Active area 0,88inch

Contrast 300:1

Optical Structure

Screen size 80"

Image distance 2m

F.O.V. 50deg [39deg(H)x31.25deg(V)]

Exit Pupil 12mm 9H)x6mm(V)

Focal length 280mm

Light sources LED (Red, Green, Blue)

Controller

Employed OSD function (English/German)

Input signal: Single (Basic): VGA, DVI, analog audio

Dual (option): 2 x VGA, 2 x DVI, analog audio

External Power Supply

Input Voltage 80-280ac 50-60Hz

Output Voltage 12Vdc

Power consumption 800mA@12V

Optional external batterypack 10.4V 3.1Ah.

Weight Device – monocular only without upper headband, cable and camera 280g

Basic Functions**Magnification of images**

Basic image formation: 5:4 image screen, 80"diagonal angular view at 2m from the screen

Enlarges small image sources as a basic image size at the display

Accepts 16:9 images format as a basic screen at the display

Up-scale functions

Basic resolution 1280x1024 pixels

Accepts image sources smaller than 1280x1024 and displays them in full screen

Accepted input sources VGA, SVGA, WSVGA, XGA, WXGA

Image signal conversion functions

Basis display signal VESA standards

Supporting Signals VGA, DVI (HDMI with DVI/HDMI changer)

Generally interchangeable image devices:

DVD, VCR, VCD

PC, PDA - PMP (Portable Multi Media Player), Mp4, VOD service equipment's

Game machines (Playstation3, X-BOX etc.)

Medical Machines - Training Simulators

Image and communications equipment's etc.

Smartphones with HMDI exit

Wearable PC

****Specifications are subject to change without prior notice****

About Cybermind:

Cybermind Interactive Nederland (CIN) is an applications oriented company with a solid background and partnership network to provide professional Near to Eye display solutions.

Services/Consultation: wearable computing, cloud computing /rendering, machine vision augmented reality, project implementations, content development, app creation.

CIN is a Dutch Limited Company and has various patents and patents pending.

CIN owns amongst others the trademarks: Visette® (High end HMD line, hi-Res™ (assembly kit for third parties technology) and V-Flexor (versatile hand held navigator).

Main websites: www.cybermindnl.com, www.cybermind.nl, www.hi-Res800.com

For information about the Cyber-I or our broad expertise in the field of Near-to-Eye Solutions, Engineering and Services please contact us through our head office:

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