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

Additional options
- o Eyetracking
- o IR led's
- o Microphone
- o Voice recognition
- o Headphone
- o External Belt Battery pack
- o 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 μm
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.

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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