Cybermind's High-end Virtual Binoculars with 56 degrees Field of View for professional Virtual and Augmented Reality applications within a strong and durable design.

VB-56 SXGA

The ideal tool for research and training applications:
> **Seamless integration of a wide range of precision trackers**
> **Supports all resolutions up to SXGA**
> **High resolution combined with amazing 56 degrees Field of View**

General features
> Binocular-type full stereoscope
> Word processing possible
> Full SXGA FLCOS display
> Almost no influence of outside illumination
> Low power consumption
> Dual input signal for PC (with optional video)
> Durable
> User friendly operations
> Proven technology
> Lightweight

Additional Options
> Seamless integration of the InterSense InertiaCube2+ or InertiaCube3
> 4 programmable buttons for zoom in/out and other functions

Specifications:

Structure
Basically a non-through type
Adapted a Binocular, full stereoscopic type

Display
FLCoS method, reflecting, single plate type
Screen quality: SXGA (1280x1024), about 1.3 million pixels x RGB
Pixel pitch: 13.62μ
Color depth: 24 bits
Response time: 0.1ms
Active area: 0.88 inch
Contrast: 200:1

Optical structure
F.O.V.: 56 degrees circular
Exit Relief 12 mm
IPD: 56 - 74mm
Focus: -4 to +4 dioptre
Brightness: 0 to 45ft-L
Focus: infinity
Light sources: LED (red, green, blue)

Controller
Employed OSD function (English/German/French/Italian/Spanish/Polish)
Input signals:
Dual (3D): Analog RGB, DVI
Optional: Composite (NTSC/PAL), S-video
Input power: AC100 to 240 free voltage ~1.6A max
Output sources: +12V - 5.42A

Basic Functions
Magnification of images
Basic image formation: 4:3 image screen
Accepts 16:9 images format as a basic screen at the display

Down-scale functions
Basic resolution: 1280x 1024 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
Basic display signal: VESA standards
Supporting signals: Analog RGB, DVI
Optional: Composite (NTSC/PAL/SCAM), S-video

Generally interchangeable image devices
Medical machines
Training simulators
Image and communications equipment, etc.

About Cybermind:
Cybermind Interactive Nederland (CIN) is an applications oriented company with a solid background and partnership network to provide generic and specialised Near to Eye display solutions. CIN is a privately held Dutch Limited Company.
CIN wants to excel in producing affordable, high- end, Head Mounted Displays to facilitate existing and emerging markets.

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

For information about the VB-56 SXGA or our broad expertise in the field of Near-to-Eye Solutions, Engineering and Services please contact us through our head office:

Cybermind Interactive Nederland
Head Office and R&D Center
BioPartner Center
Oxfordlaan 70
6229 EV MAASTRICHT
The NETHERLANDS

T: +31(0)43-36 18 300
F: +31(0)43-36 18 394
info@cybermindnl.com
www.cybermindnl.com