The first affordable high-end Head Mounted Display for professional Virtual and Augmented Reality applications.

Visette45 SXGA

The Visette is supported by Cybermind electronics platform:
> **Supports all resolutions up to SXGA**
> **Accepts multiple formats**
> **High level of flexibility in Cybermind solutions**

General features
> A see close function is added to use as an auxiliary device
> Binocular-type full stereoscope
> Word processing possible
> Almost no influence of the outside illumination
> Low power consumption
> Dual input signal for video & PC (3D version only)
> Lightweight
> Durable, strong and comfortable

Key applications

Our Visette® is used by various companies and research institutes worldwide and the world's leading HMD for the entertainment industry.

> Medical research
> Military training
> Industrial research applications
> LBE systems
> etc.

Visette45 SXGA Video See Through

Visette45 SXGA See Through

Ideal for Augmented Reality options.

Additional Options

> Seamless integration of the InertiaCube3 head tracker device with custom solutions available for Polhemus, Ascension and the InertiaCube2.
> Available in a large scale of colours, depending on the amount of HMD's

Specifications:

Structure
Basically a see-through type
Accepted see-close function as a secondary function
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: 300:1

Optical structure
Screen size: 80"
Image distance: 2m
F.O.V.: 45deg [36deg(H) x 27.4deg(V)]
Exit Pupil: 12 mm(H) x 6mm(V)
Focal length: 280mm
Light sources: LED (red, green, blue)

Controller
Employed OSD function (English/German)
Input signals:
Single (basic): Analog RGB, DVI, Composite (NTSC/PAL), S-video
Dual (option): Analog RGB, DVI, Composite (NTSC/PAL), S-video
Power:
Input power: AC 80 to 280 free voltage
Output sources: 12V

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

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, Composite (NTSC/PAL/SCAM), S-video

Generally interchangeable image devices
DVD, VCR, VCD
PC, PDA
PMP (portable multimedia player), Mp4, VOD service equipments
Game machines (Playstation2, X-Box, etc.)
Medical machines
Training simulators
Image and communications equipments, 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.
HQ and Showroom is situated in Maastricht, Forum 55 (MECC conference building), Back office in Almere and the production facility is located in Leeuwarden - Pallasweg 14.