

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 solution

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: 13.62 μ
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.

For information about the Visette45 SXGA 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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