

The Creative Display Systems I-PORT™ 40 Plus is a lightweight head mounted display (HMD) system featuring full-color XGA resolution. Proprietary wide field-of-view IROC™ technology allows very compact direct view optics to be mounted to a comfortable, fully adjustable headband.

The 1U rack compatible Display Interface Unit (DIU) accepts video, stereo audio and microphone inputs and routes them to the HMD via a 2-piece quick-disconnect cable. Both HMD and DIU are interchangeable and available separately.

The I-PORT 40 Plus accepts standard VESA XGA video from any PC or workstation, and easily accommodates the most common head trackers.

The I-PORT™ 40 Plus is an advanced display system that is well suited for training, simulation, medical and virtual reality applications, and is available directly from CDS (www.creativedis.com) or from any of the CDS distributors worldwide.



Display	Type: Full color, AMLCD XGA engine (1024H x 768V) Resolution: 1.9 arcmin/color group Contrast: >150:1 Luminance: 5 - 50 foot-Lamberts (adjustable) Color: 24 bit Stereo: Dual Channel Support
Optical	Field of View: 42° Diagonal (34° H x 25° V) Optics: IROC™ Exit Pupil: Non-pupil forming Overlap: 100%
Mechanical	Mounting: Fully adjustable headband system IPD: Independent left /right, 55-75mm Eye Relief: Eyeglass compatible, 25mm ±15mm HMD Weight: 795g (1.75 lb. including headband) Color: White/Gray DIU Weight: <900g (<2 lbs., separate box)
Dimensions	HMD: Height: 8"; Width: 9"; Depth: 14"

DIU: Length: 6"; Width: 4"; Height: 1.75" (1U rack compatible)

HMD Cable: 8' Overall, 2-Piece, Midpoint Connector (consult factory for custom length)

Interfaces

Features: ON/OFF power switch, dual video inputs, stereo audio & COM (pass through)

Connectors: Connections in/out of DIU

HMD I/F` – HD26
Video In – HD15 (2)
Power – 3-prong removable: IEC-320
Audio – 3.5mm circular jack
COM – 2.5mm circular jack

Electronic Inputs

Video Input: VESA XGA, 1024x768 @ 60Hz, non-interlaced

Power: 110/220 VAC 50/60 Hz

Audio: 3-wire stereo (pass through, consult factory for compatible headphones)

COM: 3-wire (pass through, consult factory for compatible microphones)

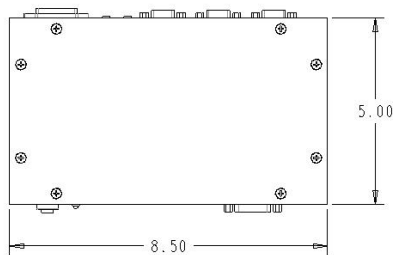
Other features

Display Type: Binocular: supports frame-parallel stereo (FPS)

Modular: HMD and DIU are interchangeable and available separately

Head-track: Provides mount surface compatible with head-tracking transducer

Eyecups: Removable rubber eyecups are available for enhanced immersion effect, or other shielding requirements



Display Interface Unit (DIU)

