

The ProView™ 30 Head Mounted Display System

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- Designed specifically for the Professional User
- Full Color True VGA Resolution
- Autosense Logic for Stereoscopic or Monoscopic Viewing
- Hi-Fi Stereo Sound
- “Comfort-Fit” Headband
- Eyeglass Compatible
- Ruggedized for Durability
- Full Range of Adjustments
- See Around Capability

The Display Products Group of KEO introduces the first head mounted display system designed specifically for the professional user. This display device has the highest resolution available using liquid crystal displays, making the ProView™ lightweight and versatile for many professional applications. It's full range of adjustments provide easy and fatigue-free viewing. Specially designed optics allow for hours of viewing without eye strain. The control unit is capable of accepting one or two VGA inputs, and easily adaptable to accepting NTSC inputs with a scan converter.

The Applications

- Industrial Inspection
- Non Destructive Testing
- Process Control
- Data Acquisition
- Remote Viewfinder
- Remote Conferencing
- Portable Computing
- Computer Training
- CAD/CAM Display



The ProView™ 30's Specifications

DISPLAY	Type LCD Resolution/Eye Brightness Contrast	2 full color, active matrix TFT, high speed polysilicon LCDs (2) - (640 x 3) x 480 2.25 arcmin/color group 25 foot lamberts 25:1
OPTICAL	Field of View Transmission Optics Eye Relief Exit Pupil Overlap Stereo/Mono	30° diagonal - 18° (V) x 24° (H) Non see through Plastic aspheric lens - independent optical paths for each eye Eyeglasses compatible, 50 mm Non pupil forming 100% Yes
MECHANICAL	IPD IPD Range HMD Weight Headtracker	Readily accessible on each display module Meets 95th percentile male/female adult 32 ounces Accommodates either Polhemus or Ascension sensor
CONTROL UNIT	Video Inputs Horizontal Scan Rate(F_H) Vertical Scan Rate Genlocked Inputs Cable Length Video Outputs Controls Indicators (LED) Connectors Power	One or two VGA 640 x 480, H&V - TTL, analog 0.7V P-P, 75 ohms, 60 Hz video inputs Autosense for stereoscopic or monoscopic operation Internal and external sync 31.5 kHz 60.0 Hz Independent phased locked loops for left and right eye 20 feet 2 VGA video loops to display monitor Audio adjust:mono control Power on/off Video in VGA, 15 pin DA, female, (video in) 2 VGA, 15 pin DA, female, (video out for monitor) 2 BNC barrel connectors, RGB H&V, (video in) 2 sets RCA connectors, (stereo audio com pass through) 2 (cables are not provided to either video or audio connectors) 120 VAC, 60 Hz, or 240 VAC, 50 Hz, 25W (power cable included)

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