

HEAD MOUNTED
DISPLAYS

ProView XL35 & XL50

The ProView™ XL35 and ProView™ XL50 both feature full-color XGA performance with a choice of field of view.

The ProView™ XL HMDs incorporate Kaiser Electro-Optics' proprietary technology to achieve unparalleled color performance and high contrast ratio. The true 1024 x 768 resolution and wide color gamut really set the XL line apart from other display systems.

The optical modules are mounted on the same ergonomically designed headband system used on all ProView™ HMDs.



PERFORMANCE PARAMETERS	DISPLAY	Type: Full color, solid state, XGA resolution (1024H x 768V) Resolution/Eye: XL35 - 1.6 arcmin/color group XL50 - 2.3 arcmin/color group Brightness: 5-50 fL (adjustable) Contrast: >40:1
	OPTICAL	Field of View: XL35 - 35° diagonal, 21° (V) x 28° (H) XL50 - 50° diagonal, 30° (V) x 40° (H) Transmission: Non see-through Optics: Color-corrected, aspheric refractive lens – independent optical paths for each eye Eye Relief: Eyeglasses compatible Exit Pupil: Non pupil forming Overlap: 100%
	MECHANICAL	IPD: Independent left/right, accessible on each display module IPD Range: 55 – 75 mm HMD Weight: 35 ounces Headtracker: Accommodates magnetic and inertial tracker sensors
	CONTROL UNIT	Video Format: (1 or 2) XGA 1024 x 768, non-interlaced Sync Formats: Sync on video, Composite sync or Separate H/V sync (auto-detects) Vertical Rate: 60 Hz Cable Length: 12 feet Video Outputs: L/R XGA video outputs for repeater monitor(s) Controls: Audio adjust Indicators (LED): Valid video input Connectors: (2) XGA, 15 pin DA, female, (video in) (2) XGA, 15 pin DA, female, (video out for monitor) BNC barrel connectors, RGB H&V, (video in) 2 sets Power: 120 VAC, 60 Hz, or 240 VAC, 50 Hz, 25W

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