

HMD HEAD MOUNTED DISPLAY

/// OVERVIEW

POC's industry-leading immersive **Head Mounted Display (HMD)** provides the Warfighter with a lookdown capability for access to critical mission data while on the move. Our lightweight, low-profile and high resolution HMD is designed for plug-and-play operation into POC's Wearable Network (WEARNET®) and is the ultimate in remote viewing technology. Its rich contrast SVGA display is perfect for displaying images from a wearable computer, Unmanned Aerial Vehicle feeds or targeting systems. POC's HMD provides multiple helmet mounting options as well as custom cable assemblies and interfaces.

KEY ADVANTAGES

- High resolution SVGA (800×600) imagery using standard video interfaces
- Ultra compact and wide field of view optics (39.5° diagonal) with the use of anamorphic asphere design to provide undistorted imagery
- Low weight (35g) with the use of single-element plastic optics to minimize head-borne weight
- Low power (250mW max) due to the use of organic light emitting diode (OLED) microdisplays thus minimizing battery usage
- Enhanced user integration and flexibility with simple clip-on for rapid donning/doffing and adjustability to enable maximum viewable display resolution



/// SPECIFICATIONS

Field of View	39.5° Diagonal, 31.6° H x 24.2° V
Display Size	19.8mm x 15.2mm x 5.1mm
Display Type	OLED
Display Resolution	SVGA 800 x 600 pixels
Display Color	Full color
Focal Distance	≥ 2.5m
Video Display Rate	30 to 85 Hz
Temperature Limits	-40°C to +65°C
Brightness/Contrast	Luminance 43.8ft-L, 150cd/m2/Contrast >300:1
Apparent Image Size	~1.5m x ~1.1m at 2.5m distance
Physical Eye Relief	27mm +/-7mm
Electrical Power	~250mW, 5V, 50mA