

## HEAD MOUNTED DISPLAY (HMD)

### /// 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 POCs 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. POCs HMD provides multiple helmet mounting options as well as custom cable assemblies and interfaces.



### KEY ADVANTAGES

- High resolution SVGA (800x600) imagery using standard video interfaces
- Ultra Compact and wide field of view (39.5° diagonal) optics 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

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

Patent Pending

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