



THE O'GARA GROUP

SENSOR SYSTEMS DIVISION



CEHUD

CONFORMAL ENHANCED
HEADS UP DISPLAY



STATE OF THE ART SENSOR INTEGRATION

- Improved situational awareness; reduced sensor to shooter gap
- Improved detection recognition and identification capability
- Enhanced real time decision making process
- Night or Day capable
- Lightweight, Compact, and Fully-Ruggedized
- Designed for seamless use with AN/PVS-21 Low Profile Night Vision Goggle, Model 2740 Monocular, and Model 2758 Dayviewer



OPERATIONAL CAPABILITIES

The Conformal Enhanced Heads Up Display (CEHUD) provides state of the art sensor integration for both night and day operations when used with the AN/PVS-21 Low Profile Night Vision Goggle (LPNVG), Model 2740 Low Profile Night Vision Monocular (LPNVM), or the Model 2758 Dayviewer. The CEHUD accepts SVGA/VGA format video signals (displayed in color) or NTSC / PAL video signals (displayed in monochrome) and presents these video images directly into the operator's view via an SVGA OLED. The viewing area subtends approximately 32° of the 40° field-of-view of the goggle. Operators now can integrate and display key sensor technologies such as; communications, navigation, threat assessment, or targeting information directly into their night or day vision. This powerful capability significantly improves situational awareness and eliminates the need for the operator to carry multiple video displays. Additionally, the operator can manage power, brightness, contrast, and diopter adjustments easily with his fingertips.



PHYSICAL FEATURES

Power:
(4) AA batteries

Dimensions (approximate):
display module - 50mm x 50mm x 30mm
helmet mounted power module - 125mm x 70mm x 30mm
vest/pocket power module (optional) - 76mm x 146mm x 39mm

Weight (approximate):
display module - 70g
helmet mounted power module with batteries - 250g
vest/pocket power module with batteries - 250g

Controls:
on/off, brightness, contrast, diopter

OPTICAL PERFORMANCE

Display:
color capable SVGA

Video Inputs:
analog SVGA displayed in 16.7 million colors; NTSC or PAL displayed in 256 grey shades monochrome

Resolution (pixels):
SVGA - 800x600

Angular Field of View (through goggles):
SVGA - 31.7°
VGA - 25.6°

View appears similar to 17" Monitor at 2.3ft distance

ENVIRONMENTAL SPECS

Operating Temperature Range:
-30°C to 52°C

Storage Temperature Range:
-40°C to 65°C

Operating Altitude:
sea level to 30,000ft

Storage Altitude:
sea level to 50,000ft

Environmental:
water immersion up to 10m

Main Office
2794 Indian Ripple Road
Beavercreek, OH 45440
Tel: (937) 426-2341 / Fax: (937) 426-4820
Sensors@OgaraGroup.com

International Sales Office
Unit 11 Jubilee Enterprise Centre
Weymouth, Dorset DT4 7BS England
Tel: 44(0)1 305 772211
Sensors@OgaraGroup.com

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