

Digital light engine

Head-up display



Capabilities and benefits

Form, fit, function – eliminate the high-maintenance and obsolete items (no life-event components)

Modular retrofit retaining optical module, control panel, and camera (where applicable)

Depot level customer upgrade available

Unlimited symbology display capability

High-resolution navigation and sensor imagery displayed under all flight conditions

Increased brightness, stable over the life of the equipment

Mean time between failures of more than 8,000 hours

Typical performance specification

Specification Display Source	Analogue Symbol Generator, EU, AEU, MLU, IMDC
Display Surface Resolution	1280 x 1024 pixels
Field of View	25° x 22°
Display Luminance	0 to > 2000 ftL
Luminance Uniformity	< 20% within a 10° diameter area
< 30% over the TFoV	
Secondary Images	< 2% of primary
Display Contrast	> 1.2:1 against an ambient of 10,000 ftL
> 1200:1 Sequential	
Outside World Transmission	> 75%
Image Positional Accuracy	< 0.8mR error within 5° of CFoV < 1mR elsewhere within FoV
Mass	< 20.1 Kilograms (ballast may be applied to maintain C of G position if required)
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Operating Altitude	0 to 70,000 ft
Power	<85 Watts
Latency	<1mS
Dimensions	Form Fit Function

Typical performance specification

- Low Voltage Power Supply
- Low Latency Scan Convertor
- Optical Module Retained
- Control Panel Retained
- Combiner Retained
- Form Fit Function

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