

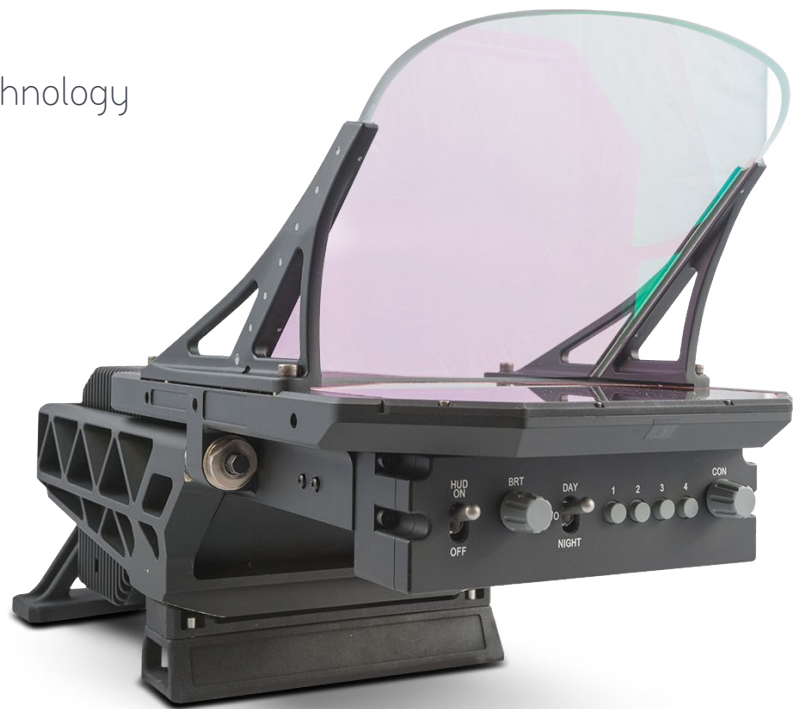
# LiteHUD<sup>®</sup>

Head-up display

Featuring patented optical waveguide technology

### Key features and benefits

- 60% smaller by volume and up to 50% lighter than a conventional HUD
- Easily integrated with Large Area Display (LAD)
- Modular design and packaging concept allows easy integration into both existing and future cockpits
- Significantly larger eye motion box than a conventional HUD
- High-resolution navigation and sensor imagery displayed under all flight conditions
- High-brightness, stable over the life of the equipment
- All-digital display system giving high reliability



### What is a waveguide?

Waveguide technology manipulates and controls light within sheets of glass. These act as a means to transport light from one point to another and allow radically different optical solutions for current and future cockpits.

### What it does

- Eliminates complex lens configurations
- Incorporates significantly larger eye motion box
- Allows for compact design solutions
- Enables modular designs

### What is the benefit

- Reduces cost, mass and volume
- Increases pilot comfort
- Eases integration into the modern cockpit
- Allows for commonality between platforms, reducing design and maintenance costs

## Typical performance specification

LRU Count	1 (PDU only)
Display Resolution	1280H x 1024V Pixels Symbology & Video
Total Field of View	25° x 20° (Hz x Vt)
Display Luminance	> 2500 ftL Symbology & Video
Eye Motion Box	3.2" High x >7" Wide x Unlimited Long
Display Accuracy @ Boresight	0.8mR
Display Accuracy @ TFoV Limit	1.0mR
Display Drawing Capability	Unlimited Rastergraphic Field
Display Contrast	>1.3:1 (against 10,000 ftL ambient)
Display Latency	<1ms
Line Width	<1.2mR
Outside World Transmission	70%
NVIS Compatibility	Class C
Weight	20-26 lbs (configuration dependant)
Power	<100 Watts
MTBF	> 8000 Hrs

NB: Specifications will vary due to aircraft configurations.



LiteHUD® demonstrated in a simulated cockpit.

### For more information contact:

BAE Systems

Marconi Way, Rochester, Kent ME1 2XX, UK

W: [baesystems.com](http://baesystems.com)

Cleared for open publication on 08/16

BAE Systems | LiteHUD® head-up display

### Disclaimer and copyright

This document gives only a general description of the product(s) and service(s) and, except where expressly provided otherwise, shall not form any part of any contract. From time to time, changes may be made in the products or the conditions of supply.

BAE SYSTEMS is a registered trademark of BAE Systems plc.

© BAE Systems

16-F38-01