

LiteHUD[®]

Head-up display

Featuring patented optical **waveguide** technology

Features and benefits of LiteHUD

60% smaller by volume and up to 50% lighter than a conventional HUD

Easily integrated with Large Area Display (LAD)

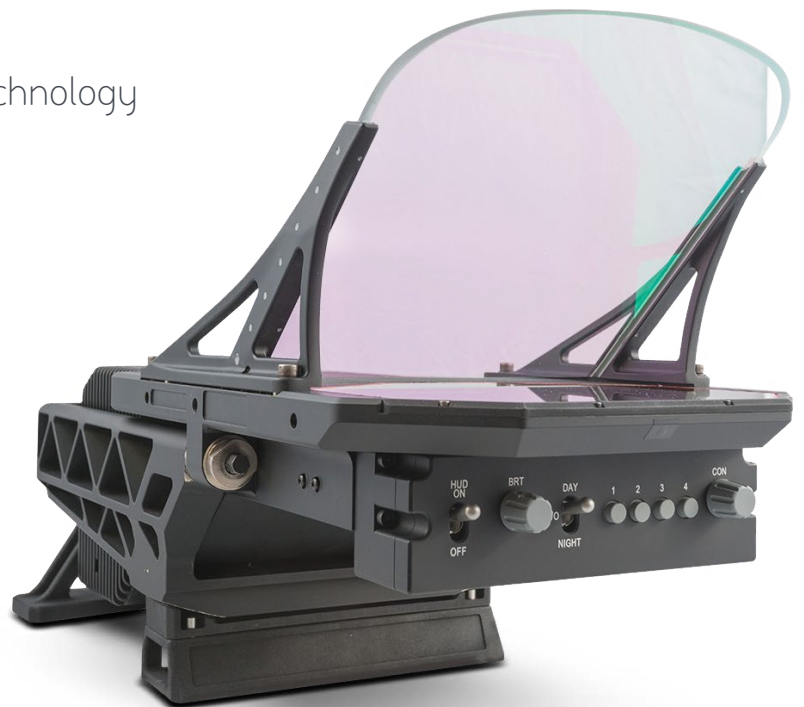
Modular design and packaging concept allows easy integration into both existing and future cockpits

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

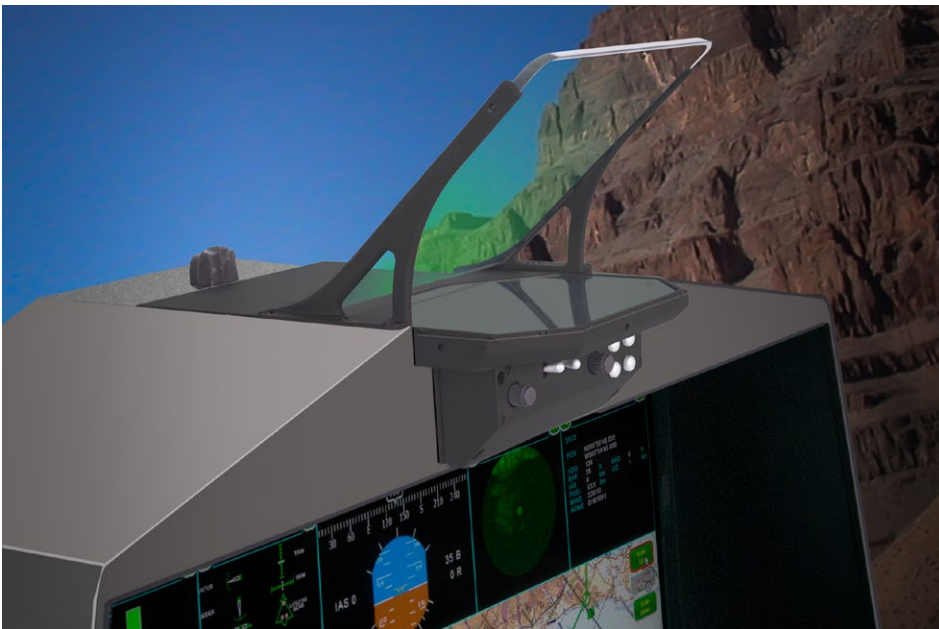
Eases integration into the modern cockpit

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.

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