

LiteWave®

Head-up display

The LiteWave overhead head-up display (HUD) solution delivers the world's best combination of size, weight, and performance

Up to 70 percent smaller in size and weight compared to traditional HUDs in today's market, LiteWave can be easily integrated into almost any aircraft – allowing pilots operating in the smallest of cockpits to benefit from the situational awareness provided by a HUD.

LiteWave offers the largest eye-motion box of any HUD available, which means pilots are able to move more freely in their seat, without risk of losing sight of the symbology. This greater freedom of movement increases pilot comfort—especially during longer flights.

Since developing the world's first operational HUD back in the 50s, BAE Systems has relentlessly pushed the boundaries of what's possible in the realm of augmented reality. The development of the LiteWave display is no exception.



Features

70% reduction in size and weight

Up to 80% faster to install, with no additional realignments required

The largest eye-motion box of any HUD on the market

Configured with a single LRU

High-resolution display

Completely digital solution

Benefits

Enables integration into cockpits with limited space

A solution that is cost effective upfront and through its lifetime

Allows for exceptional freedom of movement, without losing sight of the display – greatly increasing pilot comfort

Offers a significant increase in MTBF compared with traditional HUDs

Symbology is clearly visible to the pilot under all flight conditions

A reliable display, with no loss of brightness over the life of equipment

A new generation of HUD

Powered by patented waveguide technology



Typical performance specification

Display surface resolution	1365 x 1024 pixels
Field of view	30° x 22.5°
Display luminance	> 2500 ftL
Display contrast	High Ambient 1.3:1 / Low Ambient >100:1
Outside world transmission	>80%
Image positional accuracy	>2.0 mR over the total field of view
Mass	15 lbs (6.8kg)
NVIS compatibility	Type 1, Class C
Power	<50 W
Latency	<2ms
Dimensions	TBC
Reliability	>15,000 hours (MTBF)

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