

# Digital Air Transport

## Head-Up Display (HUD)



Elop has been selected as the HUD supplier to one of the world's major cargo carriers for its entire fleet.

The digital air transport model is a technologically advanced overhead-mounted digital HUD, optimized for both military and commercial aircraft:

**Military transport, airlift, tanker and maritime aircraft, including:**  
C-17, C-130, KC-135, C-295, C-27J, C-235

**Commercial aircraft, including:**

MD-10, MD-11, Airbus 300, Airbus 310, B-757, B-737

Our HUD displays a FLIR picture in XGA resolution, with overlaid symbology, and can be certified as a primary flight display. This line of products is designed with growth capacity to support emerging technologies, such as SVS (Synthetic Vision Systems). Combined with an Enhanced Visual System (EVS), this HUD yields improved situational awareness, increased safety and enhanced operational capabilities. Among its features is a foldaway combiner with a specially designed breakaway position for pilot safety.

A smaller (mini) version of the HUD is available for regional and business jets.

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## Head-Up Display (HUD)

### Operational Features

- Wide FOV - 40°(H) x 30°(V) (total and instantaneous)
- Large Head Motion Box (HMB)
- High image brightness > 3400 fL
- Enhanced symbol quality
- Superior raster image quality
- High MTBF

### Maintenance & Integration Features

- Digital interface
- LCD image source
- Advanced electronics
- Computerized automatic test & calibration
- Intensive Built-In Test (BIT)

### Technical Data

#### Modes of Operation

- Symbol
- Video with overlaid symbology
- Automatic brightness control

#### Optical System

- Single curved combiner
- FOV: 40° x 30° (total / instantaneous)
- Combiner transmission: 80% uniform
- Color: shades of green/black
- Brightness: 3400 fL symbol and video
- NVG compatible

#### Power Supply

- 28 VDC
- Power dissipation <80 watt

#### System Interface

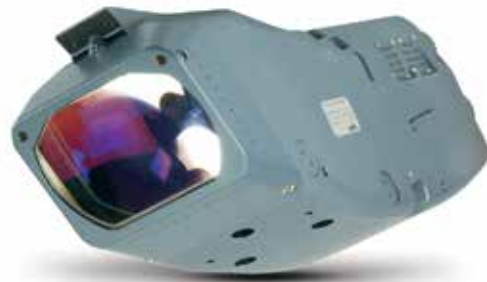
- ARINC 429/FC/Discrettes

#### Physical Specifications

- Weight: 14 kg

#### Environmental Standards

- In accordance with DO-160



Elbit's HUD on IAF C-130H



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