

# The Next Revolution in HMDs

Bringing Daytime Cueing and Display Capabilities into Night Operations

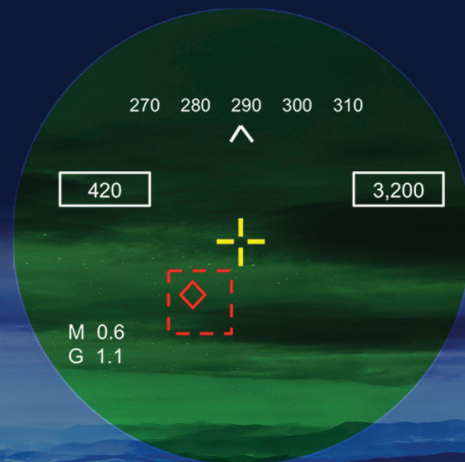


Image for demonstration purposes only. Compatible with any HMD

As the aerial battlefield becomes more advanced and complex, daytime HMD capabilities are becoming increasingly critical for nighttime operations. Elbit Systems bridges this gap by providing a simple and cost effective add-on kit that transforms existing HMDs and NVGs into ground-breaking, cutting-edge Night Vision Smart Helmets.

The simple addition of a Night Display Adaptor and Digital Eyepiece enables pilots to seamlessly transition from day to night, while in flight, applying full HMD day capabilities to night flights. This unparalleled advancement in night vision capabilities improves situational awareness and enables continuous operation from dusk to dawn.

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## Operational Benefits

- Increased mission safety
- Advanced air-to-air and air-to-ground capabilities, including slaving and targeting of pods and sensors
- Reduced workload and pilot fatigue
- Improved scanning pattern
- Improved joint operations
- No interference with NVG operation or change in NVG flight procedures
- A 'weapon (oriented) system'



Eyepiece compatible with either adaptor



## Solution at a Glance

- True plug & play to JHMCS, DJHMCS, JHMCS-II and Targo™
- No upgrades, modifications or changes to aircraft or software required
- Low cost add-on kit for existing HMDs and NVGs
- Lightweight and well-balanced night vision cueing and display solution
- High quality video
- Support color symbology

## Digital Eyepiece Technical Spec

Features	Technical Specifications
Display	Color and Video
Symbology FOV	20° x 20°
Display Source Resolution	800 x 600
Display Contrast	> 200
Display Diopter Range	-2 to +0.25
Max Display Brightness	2:1 vs NVG Output
Distortion	< 1.5%
Additional Weight to NVG	< 55gr
NVG Compatibility	Compatible with AN/AVS-6 and AN/AVS-9 Field Replacement of Eyepiece
Operation	Identical to Standard NVG Operation
Safety	No Wires or Connectors Required
MTBF	At Least 4000 Hours



### Elbit Systems Ltd.

Advanced Technology Center, P.O.B. 539, Haifa 31053, Israel  
E-mail: [aerospace@elbitsystems.com](mailto:aerospace@elbitsystems.com) [www.elbitsystems.com](http://www.elbitsystems.com)

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