

# SkyVis

Next-generation HMD for EMS



»»» THE clearest path to a safe arrival

FROST & SULLIVAN

2014

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## EMS Day/Night HMD LOS – Improved Safety and Situational Awareness

The new SkyVis system designed as a helmet-mounted display (HMD) with commercially certifiable line-of-sight (LOS) technology, along with night and daytime head-up display (HUD) capabilities. The system enables eyes out operation (with or without NVG) during all phases of flight.

SkyVis enables EMS and law enforcement activities to proceed in marginal weather conditions without compromising safety. As part of Elbit Systems' onboard avionics solution, the SkyVis head out primary flight display and real-time monitoring of critical engine parameters are designed to earn operational credit for fleet owners and operators.

# SkyVis

## Next-generation HMD for EMS

### Round-the-clock mission solution

Designed to provide enhanced day/night situational awareness, SkyVis has both day and night displays mounted on the TSO-C164 certified NVG, offering a single, seamless solution for round-the-clock operations.

### Enhanced safety and situational awareness

SkyVis improves flight safety and situational awareness (SA) by enabling pilots to fly in bad weather, poor visibility conditions, low altitudes (NoE) and during the night. In addition to a decrease in adaptation, the system reduces the pilot's head and eye motion during cockpit scanning, thereby increasing in-air safety levels.

### Customizable display symbols

Independent displays for each pilot present critical flight data and multiple symbols related to the specific mission. These features enable SkyVis to offer a customizable solution that is compatible with the cockpit's instrumentation and displays. The system supports conformal intuitive symbology aid for safe helipad approach and enhanced SA, eliminating lateral drift and orientation.

### Proven and certifiable

SkyVis is based on proven HMD, which is installed on over 6500 helicopters, with 2.5 million operational hours accumulated in 25 different platforms.

The system is designed in accordance with commercial aviation standards.

## Technical Specifications

SkyVis	
Symbology	See-through symbology FOV 26 x 20 clear/dark visor
Contrast	1.4:1 Min. (at 10,000 FC)
See-through transmission	>40%
Exit pupil	>10 mm
Eye relief	>50 mm
Weight	<250 gr.
Mount	Easily attached to any standard ANVIS NVG mount
SkyVis NVG	
Compatibility	Add-on to any standard NVG
Symbology	26X20 clear/dark
Contrast	2:1 Min. (at 0.03 FC)
Distortion	<1.5%
Weight	<70 gr.
HCU	
Power	<125 Watts, 28 VDC
Weight	<5.3Kg
DO-160 compliance	
Designed for DO-178B Level A	



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