ATS Device
In-flight Training for DVE

NVONICS® BY ASU

AVIATION SPECIALTIES UNLIMITED, INC.
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The ATS Device, ***the safest, most effective spatial disorientation (SD) training available***, trains pilots for Degraded Visual Environments (DVE), such as inadvertent instrument meteorological conditions (IIMC) resulting from reduced visual cues as with snow, dust, fog, and low-contrast environments. DVE induced SD is a leading cause of fatal aircraft accidents. Unlike training in a simulator, ATS Device in-flight training can induce the vestibular illusions encountered during actual DVE.

DESIGNED & MANUFACTURED BY ATSYSTEMS

ATS DEVICE US PATENT 10,249,208 & 10,971,027

RELEVANT | REALISTIC | REPEATABLE

ATS Device Spatial Disorientation training is the most effective training available for IIMC/UIMC and other visual obscurations. The training uses real-world DVE and IIMC training scenarios using an ultra-lightweight visor. The visor may be mounted or worn on the head without modifying the helmet or aircraft.

Additional benefits include:

- Compatibility with NVGs and HUDs for day or night training
- Automated delivery to ensure pilot safety during instruction
- Flexibility of use to allow training during normal ops
- No-risk annual license and a single fee to train pilots year-round
- Capability to train multi-ship operations with concurrent scenarios

VIEW THROUGH THE SYSTEM

Visor transitions from clear to opaque to replicate real-world DVE in flight.

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MADE IN USA

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Safety	Relevant	DVE induced SD is the leading cause of fatal accidents in helicopter aviation and a significant factor in fixed-wing operations.
	Realistic	Real-world training, conducted in your aircraft, provides the most realistic training conditions over training in flight simulators.
	Repeatable	Automation allows for training to be standardized across the organization's entire fleet of aircrews.
	Breakaway Design	Protects the pilot in case of a hard landing and egress.
	Automation	Provides safety features that keep the safety pilot focused on aircraft control and situational awareness.
	Safety Sensors	The visor will go clear if preset pitch, roll, vertical speed or altitude are exceeded, bringing training pilot back to VMC conditions.
License	Annual License	Single fee covers the ATS Device for a full year sustained by AT Systems including parts,repair, and software upgrades.
Power	Power Source	Storage case includes built in charging for AHRS, iPad, and ATS Power Pack.
Specifications	Day Visor	3 in D (depth from helmet/head) x 9.75 in W x 7.25 H (with film) 5.2 oz
	NVG Visor	5.75 in D x 7.5 in W x 10 in H (with film) 5.1 oz
	Day Adapter	1.25 in D x 2 in W x 4 in H 1.2 oz
	NVG Adapter	1 in D x 2 in W x 3.75 in H 1.7 oz
	Power Pack	1.75 in D x 3.75 in W x 3 in H 6.5 oz
	Storage Case	16 in D x 14 in W x 8 in H

Standard Equipment

- Day Visor
- Day Adapter
- NVG Visor
- NVG Adapter
- Power Pack (velcro & dovetail)
- AT Systems application
- AHRS (Attitude Heading Reference System)
- AHARS Suction Cup Mount
- Storage Case (built in charging for the AHRS, iPad, and ATS Power Pack)

Optional Accessories

- AAR Station

This system records tracks for play back on a debrief station. The station can accommodate up to a flight of four, allowing for more comprehensive and thorough debriefings after training.

Specifications subject to change without notice.

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