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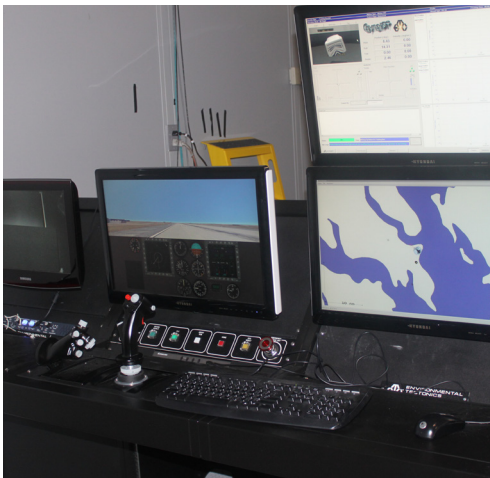
# INTEGRATED PHYSIOLOGICAL TRAINER (IPT) III

NASTAR's Gyro IPT Generation III is a fully interactive, hands-on, real-world flight simulator designed to prepare pilots for in-flight illusions and spatial disorientations safely and cost-effectively. Unlike standard disorientation demonstrators, in which a pilot is just 'along for the ride,' a pilot in the Gyro IPT III has full, closed loop control of the flight before, during, and after the spatial disorientation illusion training session.

The Gyro IPT Generation III also features an interactive profile editor allows the user to create, store, modify, and run illusion profiles. Conditional events programming allows critical profile inputs to be tied to a specific in-flight condition to insure authenticity in the learning environment. Illusion profiles are fully automated and can be run individually or multiple illusions can be combined into a single flight for additional training benefits.



# INTEGRATED PHYSIOLOGICAL TRAINER (IPT) III



## APPLICATIONS

- Spatial Disorientation
- Situational Awareness
- Night Flight Procedures and Goggle Use
- Partial Panel Instrument Failure Procedures
- Upset Recovery Training

## SPECIFICATIONS

- 6 Degrees of Freedom (DoF) Motion System
  - Continuous 360° Pitch, Roll, Yaw, sway, surge, and heave
- Interactive flight profile editor
- 14 Fixed Wing & 8 Rotary Wing SD illusions
- Single seat or dual seat configuration
- Wide Field of View visual display and 3D visuals
- Stereo sound and communication system

## VALUES

- Hands-on interactive learning environment
- Instructor is able to task student in a variety of ways using the interactive profile editor
- Simulation with sustained motion cuing for optimal skill acquisition and retention
- Data linking capability to Cockpit Modules of other simulators via HLA