

Spatial Disorientation (SD) continues to be a major safety risk in aviation, often resulting in catastrophic consequences. Pilots who experience SD often fail to recognize that they are disoriented and remain unaware of their perilous situation until it is too late to take corrective action.



GYRO IPT-II

Training in a customized motion simulator helps pilots recognize the early signs of SD and be able to take corrective actions to regain orientation and evade a mishap.

Uniquely designed and engineered as a low-cost dedicated SD trainer, the GYRO IPT-II consistently reproduces disorientating situations in flight, allowing pilots to experience realistic SD instances in a safe and controlled environment



The GYRO IPT-II features a unique electro-mechanical motion base with generic or aircraft specific cockpit configuration, creating a realistic flight simulation environment.

Pre-loaded training profiles provide pilots with opportunities to be trained in a wide spectrum of spatial disorientation (SD) scenarios. Users can edit training scenarios and profiles, allowing them to customize and tailor their SD training to best match their operational environment.

FLIGHT SIMULATION FEATURES

- Real-world, 3D satellite imagery based visual databases
- Compatible with NVG operation*
- Chin window visuals
- Field of view of 145° x 65° (H x V)**
- Configurable for Fixed Wing and/or Rotary Wing
- Capable of VFR and IFR flights
- Pilot controlled flights and replay flights capable



TRAINING AND OTHER APPLICATIONS

- SD and Upset Recovery
- VFR Flight Environment
- IFR Flight Environment
- Night Flight Environment
- NVG Flight Environment*
- Off-Shore Operation Environment
- Medical and Rescue Flight Environment
- Basic Flight and Instrument Flight Procedures
- Motion Sickness Desensitization
- SD and Motion Related Research
- Medical Monitoring (available optionally)

**If requested by customer*

***Chin window field of view is in addition to this*



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AIRCREW TRAINING
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