ADVANCED COCKPIT GCS

SPECIFICATIONS
- High-definition (1080p) touch-screen displays (six 24”);
  Supports high-definition video
- MIL-STD control stick and throttle
- MIL-STD PC-based CPUs
- Meets or exceeds MIL-STD-1472 and other Human Factors Standards
- Integrated Flight Director System control panel
- Integrated MIL-STD HUD and 3D moving map display
- Based on STANAG 4586 architecture (providing interoperability)
- Human Machine Interface (HMI) designed to increase Situational Awareness (SA)
  - Greatly reduces operator workload by providing intuitive interfaces
  - Automated alert system further enhances safe operations
  - Improves the decision-making process
  - Features anthropometric engineering such as adjustable displays, controls, and ergonomic, electrically adjustable seating
  - HMI design efforts validated by the National Institute for Aviation Research (NIAR)
  - Improved synthetic video featuring graphical overlays with terrain avoidance, threats/special use air space, and other feeds embedded into 3D graphics

ENHANCEMENTS
- Optimized crew station design with intuitive controls and information displays
- Supports high-definition video feeds
- Open architecture modular design
  - Allows rapid incorporation of “best-of-breed” solutions
- Net-centric interface
  - Bi-directional sharing of information at multiple destinations
  - Fused SA data providing a Common Operating Picture on a single display
- Data at any classification level available to GCS operator
- Unique Predator-series Remotely Piloted Aircraft (RPA) data available to the broader community at appropriate classification levels

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