ICOMC2

Multi-vehicle and payload command and control from a single, small foot-print mobile workstation

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UNMANNED AIRCRAFT SYSTEMS

Insitu's ICOMC2 software application builds on our proven unmanned experience to provide command and control of multiple UAVs and payloads from a single workstation, enhancing safe operation of our UAVs under the most demanding mission conditions.

KEY BENEFITS & FEATURES

Multi-platform, multi-vehicle command and control

ICOMC2 is the common user interface into Insitu's platform software, providing a single command and control solution across our family of unmanned systems, and allowing control of multiple UAVs from one workstation.

Customizable to meet mission needs

The open architecture and modular design is customizable through vehicle-specific Platform Kits and vehicle-agnostic Mission Kits to support various platform and payload configurations and enhance decision-making.

Flight safety ensured

Real-time health monitoring, electronic checklists and emergency procedures ensure the right decisions are made. ICOMC2 alerts the operator to malfunctions or failures, and automatically performs an analysis and delivers the correct emergency procedures to resolve the root cause.

Decreased operator workload

Integrated sensor controls with automated target tracking and search patterns allows hands-off operation of the sensor payload, enabling the operator to focus on mission taskings and flight safety.

Network enabled for collaboration

Supports networking to other ground control stations (GCSs) for awareness and collaboration among multiple UAVs and payloads. Provides the ability to transfer control between GCS's on the network.

Increased situational awareness

The Augmented Video Overlay System (AVOS) provides operators a virtual 3D view of the operating area to visualize terrain, real-time sensor data, target locations, borders and airspace boundaries, and acoustic detectability.

1.3 MILLION FLIGHT HOURS | **50 GLOBAL SITES OF OPERATION** | **MODULAR FAMILY OF SYSTEMS** | **SERVICES, ACQUISITION AND FMS**

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ICOMC2

Breakthrough technology provides flexibility and ensures safety

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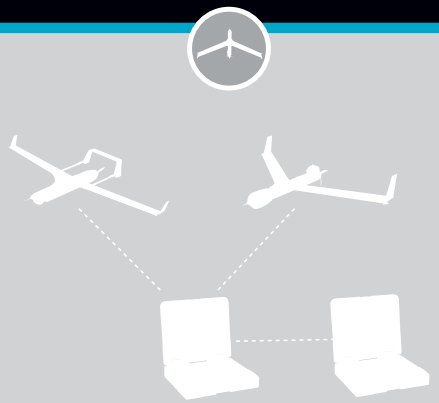

ICOMC2 is the common user interface for operation across Insitu's UAS platforms. The software supports customization using add-on kits for ultimate flexibility and expandability.

Interface features for safe operation

- Normal and emergency check lists and procedures
- Mission planning and navigation controls
- Critical systems monitoring with automated alerts
- Standard aviation flight parameter displays
- Control of multiple sensor payloads with automated tracking to reduce operator workload.

Supported Standards

- STANAG 4586 Edition 2 (Amendment 2)
- STANAG 4609 digital video
- Real Time Streaming Protocol (RTSP) with H.264 video
- ESRI ArcGIS engine supporting OGC standards
- Image file formats including PNG, JPG and NTF
- SAE AS-4 JAUS-IOP for unmanned ground vehicles

Third-party expandability

Our software development kit (SDK) for third-party developers supports expandability of the ICOMC2 user interface.

Mission Kits

Airspace Management

Alerts operators of potential airspace violations based on distance, helping decision makers preemptively take corrective action.

Cursor-on-Target

Speeds target cueing and acquisition in a dynamic mission environment. Allows operators to receive and publish points of interest and automatically slew the payload to a point of interest.

Electronic Checklist Editor

Allows editing of electronic checklist in real time and marks the change for approval.

Electronic Checklists with Embeddable Controls

Provides control button for actionable tasks, saving valuable time in emergency situations.

Virtual Battlespace Simulator

Provides virtual simulation to create and run mission scenarios.

Contact Insitu for complete list of kits.

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