

PESA SECURA[®] USE CASE

Distributed Multi-Location Command & Control Centers



SECURA[®]

CYBERSECURE MISSION VIDEO SYSTEM (MVS) For Situational Awareness and Decision Making

Mission Video Systems (MVS) are the "Eyes and Ears" for situational awareness and decision making in command & control (CS) centers, combat information centers (CIC), C5ISR, drone operations centers, watch centers, field operations, secure interview rooms and launch centers of major DOD, intel and civilian government agencies.

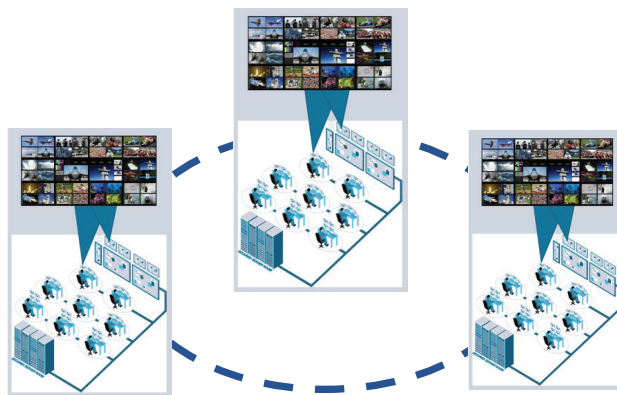
Due to the lack of security, limited scalability and inability to connect to networks, current baseband hardware technologies are siloed using castle and moat architectures. This is a problem. Modern MVS need to securely connect multi-domain centers in multiple locations. This is evident in DOD's JADC2, ABMS (Air Force), Project Overmatch (Navy), and Project Convergence (Army) initiatives.

SECURA[®] is the solution. Developed following DoD guidelines, SECURA[®] SW is built for cybersecure multi domain MVS allowing existing installations to smoothly transition from past to current towards future strategic initiatives. MVS must be Software, not Hardware.

- **SECURITY:** SECURA[®] provides a Control Plane supported by NIST FIP140-3 encryption with Mutual TLS authentication. The Data Plan uses AES 256-bit end-to-end encryption and complies with the tenets of Zero-Trust (as per Executive Order 14028).
- **SCALABILITY:** SECURA[®] supports up to thousands of video flows or nodes. The proliferation of video sources from satellites, drones, cameras, AI applications require a hyper-scalable MVS.
- **NETWORKING:** SECURA[®] has an AV/IP and software-based micro services architecture. It supports on-premise, networked and multi cloud environments.

Secure and Distributed Multi-Location Command & Control Centers

CONTACT US TODAY
We will help you design
the MVS solution that
meets your current and
future needs.



CERTIFICATIONS OF THE SECURA[®] INTEGRATED SOLUTION



SECURA[®] CAPABILITIES

- ❑ AV over IP Mission Video System (MVS) and Keyboard-Mouse-CAC In One System, on Copper or Fiber I/O via LAN, WAN or Cloud
- ❑ Support of up to 4Kp60 4:4:4 High Quality Video
- ❑ Low Latency End-To-End Distribution of < 1ms from SECURA[®] Transmitter To SECURA[®] Receiver
- ❑ Multiple Independent Levels of Security (MILS) on One Network, Scalable Up To 25 Or More Levels
- ❑ NIST Certified FIPS 140-3 (CMVP pending) for Control Plane
- ❑ CNSA (Suite B) Compliant
- ❑ AES 256-bit Encryption for All Data Flows
- ❑ SECURA[®] Integrated Solution uses COTS Switches, Servers, and Nodes
- ❑ Multi-Factor Authentication (MFA) and Mutual Authentication, with Advanced Key Certificate and Token Management For All End-Points and Connections (TLS 1.2)
- ❑ Architected For Zero Trust Environments
- ❑ Hyper-Scalable IP Platform supports up to 10,000's of Nodes or Video Flows
- ❑ Supports On-Premise, Hybrid Cloud, Cloud, and Edge Of The Cloud using Microservices SW technology



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