

# PESA SECURA<sup>®</sup> USE CASE

## Distributed Multi-Location Command and Control Centers



## SECURA<sup>®</sup>

### Cybersecure MISSION VIDEO SYSTEM (MVS) For Situational Awareness and Decision Making in a Zero Trust Environment

## SECURA<sup>®</sup> CAPABILITIES

Mission Video Systems (MVS) are the "Eyes and Ears" for situational awareness and decision making in Command and 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.

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 controls and switches video, audio, keyboard, mouse, and HID feeds from multiple sources to multiple outputs across networks.

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

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

The LAN mezzanine codec is shipping now. The cloud bandwidth friendly HEVC software codec will ship in 2024. Contact PESA for more information.

- ❑ 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<sup>®</sup> Transmitter To SECURA<sup>®</sup> Receiver (LAN)
- ❑ Multiple Independent Levels of Security (MILS) on One Network, Scalable Up To 25 Or More Levels
- ❑ Provisional CMVP NIST FIPS 140-3
- ❑ Software Driven (versus HW)
- ❑ AES 256 GCM Encryption for All Data Flows
- ❑ SECURA<sup>®</sup> 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 thousands of Nodes or Video Flows
- ❑ Mezzanine codec Shipping Now. Cloud HEVC codec shipping 2024
- ❑ Currently In TSAAP lab for DoDin APL Certification
- ❑ Local and Remote Digital Video Recording and Playback.

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<sup>®</sup> INTEGRATED SOLUTION



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