



CAPABILITIES STATEMENT

DODIN APL Certified, CyberSecure Mission Video System (MVS) for Situational Awareness and Decision Making in Zero Trust Environments

Mission Video Systems (MVS) provide the "eyes and ears" for situational awareness and decision making for Command and Control (C2) Centers, Combat Information Centers (CIC), C5ISR, Field C2 Centers, Operations Centers, Drones and other similar venues of DoD, Intelligence, Civilian Government agencies and Commercial Organizations. MVS needs to ensure information to and from intelligent applications including artificial intelligence and machine learning is available, anytime, anywhere.

SECURA® is the most secure and modern architected MVS platform. It's Software, not Hardware as per traditional video vendors resulting in a flexible, scalable, cost-effective solution capable of moving at the speed of mission.

SECURA® Software encrypts each and every Data Plane flow of video, audio, keyboard, mouse, and HID device signals using AES256. The Control plane uses FIPS 140-3 provisional CMVP CNSA (Suite B) Crypto for up to Top Secret classifications with Mutual TLS authenticating every secured node at both send and receive ends. SECURA® is architected specifically for Zero Trust environments where scale, speed and security are priorities.

SECURA® uses standard COTS secure mezzanine codec edge nodes and government installed IP switches. It delivers real-time video for situational awareness at the speed of the mission.

PESA's SECURA® MVS is DODIN APL Certified.

SECURA®

- ❑ AV over IP Mission Video Systems (MVS) And Keyboard-Mouse switching as well as CAC-PIV readers In One System
- ❑ Modern architecture enables cloud, edge, AI providers to incorporate video into critical decision support systems
- ❑ Architected For Zero Trust Environments
- ❑ Secura is Software versus traditional Hardware
- ❑ Mezzanine LAN/Campus codec shipping now. HEVC SW for COTS CPU/GPU codec available in 2024 for cloud and multi domain
- ❑ Support Of Up To 4Kp60 4:4:4 High Quality Video
- ❑ Low Latency End-To-End Distribution Of < 1ms From SECURA® Mezzanine Codec Transmitter To SECURA® Mezzanine Receiver
- ❑ Multiple Independent Levels Of Security (MILS) On One Network, Scalable Up To 25 Or More Levels
- ❑ NIST Certified FIPS 140-3 (Provisional CMVP) for Control Plane
- ❑ AES 256 GCM Encryption for All Data Flows of Video, Audio, Keyboard/Mouse and CAC-PIV readers
- ❑ Uses COTS Edge Devices and IP Switches
- ❑ Multi-Factor Authentication (MFA) and Mutual TLS Authentication, With Advanced Key Certificate And Token Management For All Endpoints And Connections

PESA IS PROUD TO SUPPORT THESE CUSTOMERS IN THEIR MISSION CRITICAL NEEDS

