Filters each frame / pixel in a video stream
Meta-data filtering including KLV coming
Exclusive "Raise the Bar" compliance
Leverages Trident’s Voice & Video Cross Domain Solution (V2CDS), the only VoIP CDS on the National Cross Domain Solution Management Office (NCDSMO) Baseline, and the only Cross Domain Solution (CDS) certified by the NSA for Secret And Below Interoperability (SABI) & DIA for Top-Secret And Below Interoperability (TSABI) to filter audio / video streams
Assured Pipeline Architecture protects sensitive information and minimizes covert channels
Base 2U configuration filters 30-40 simultaneous HD 1080p FMV streams
The number of total streams supported scales with additional hardware
Meets rigorous DoD & National Security Agency (NSA) standards
Filtered video proven to provide quality and security required for high side analytics / steganography

Call Manager
CDFMV Server
Unicast & Multicast Sources

Security Domain 1
CDFMV Server

Security Domain 2
CDFMV Server
Display & Analysis Applications

CROSS-DOMAIN • REAL-TIME • STANDARDS-BASED

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The balance between protecting and sharing critical information has never been more crucial than in providing force protection in today’s Joint and Coalition military environments. There is a need to stream video sources including HD cameras, UAVs and GoPro’s up to classified networks for real-time analysis. This requires a cross domain solution (CDS) that can filter the video and audio content in real-time with minimum latency. No other FMV CDS on the market today performs this level of filtering to meet the latest DoD certification requirements.

**Need and Value:**

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**Security and Certification:**

- Enforces two network interface cards (NIC) configuration for two IP subnets to maintain separate CDS internal networks
- Complies with multiple Risk Decision Authority Criteria (RDAC) mitigations and National Institute of Standards and Technology (NIST) Special Publication 800-53 security controls
- Mitigates covert transmission of information over video through real-time security filtering
- Provides accountability mechanisms, including monitoring of video for playback and auditing purposes
- Maintains strict packet handling conformance to industry standards while protecting against protocol exploits
- Video Transcoding (Encode/Decode)

**Features:**

- Supports MPEG-2, MPEG-4, H.263, H.263+, H.264 feeds
- Supports IP/UDP (Unicast, Point to Point), RTP, and SRTP
- Multicast support between video source and sinks
- Real-time transfer across the CDS with the mandated A/V filtering and trans-coding as required by the SABI LBSA certification (not just accreditation) process
- XSLT filter for KLV modification: redaction and geo-fencing
- Customize filter settings per source stream based on level of trust / security risk
- Supports ISA protocol for camera discovery and control
- Supports the latest RTB requirement for Remote Monitoring & Management

**Contact Us:** ACS-bd@tridsys.com