

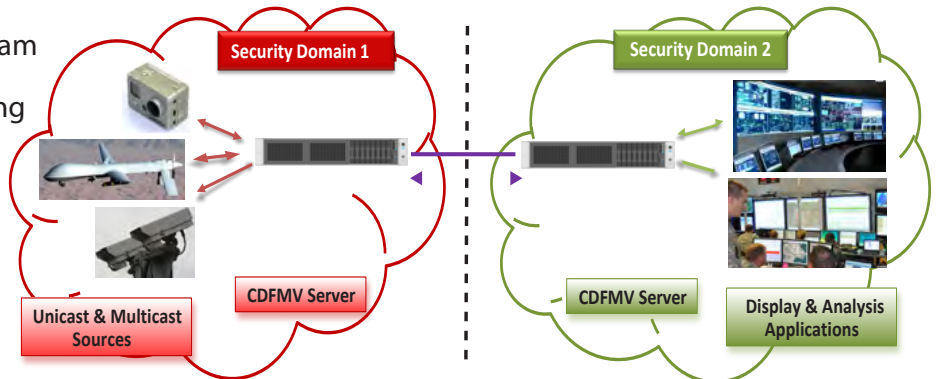
CROSS DOMAIN FULL MOTION VIDEO

TRIDENT SYSTEMS

CDFMV: CROSS-DOMAIN FULL MOTION VIDEO

Full Filtering and Sanitization of Video and Meta Data

- Filters each frame / pixel in a video stream
- Meta-data filtering including KLV coming
- Exclusive "Raise the Bar" compliance



- Assured Pipeline Architecture protects sensitive information and minimizes covert channels
- Base 2U configuration filters 40-50 simultaneous HD FMV streams
- The number of total streams supported scales incrementally with additional hardware
- Designed to meet rigorous DoD & National Security Agency (NSA) standards
- Leverages Trident's V2CDS (Voice & Video Cross Domain Solution), the only VoIP CDS on the NCDSMO Baseline and the only CDS certified by NSA for SABI & DIA for TSABI to filter audio / video streams
- Filtered video proven to provide quality and security required for high side analytics / steganography

CROSS-DOMAIN • REAL-TIME • STANDARDS BASED

CD TRIDENT

Cross Domain Full Motion Video (CDFMV)

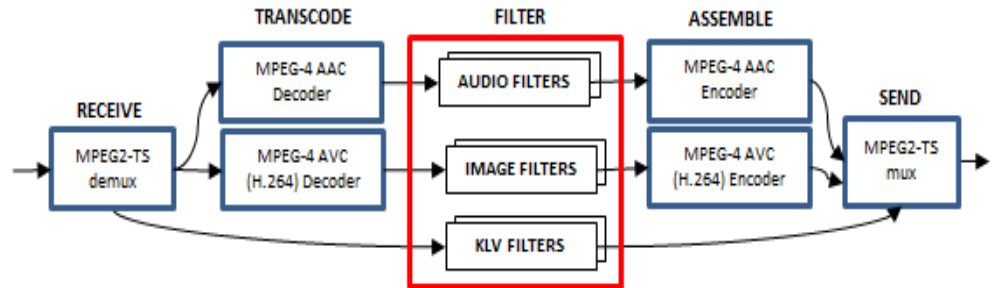
Trident System's Cross Domain Full Motion Video (CDFMV) CDS delivers real time video communications across network security boundaries. CDFMV reduces covert channels to an acceptable risk, while simultaneously maintaining point-to-point video capability.

Need and Value

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 realtime analysis. This requires a cross domain solution (CDS) that can filter the actual video in realtime with minimum latency. No other FMV CDS on the market today performs this level of filtering and so will not meet the latest certification requirements.

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



Features

- Video Transcoding (Encode/Decode)
- 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
- Supports transfer latency of 20 ms or less across the CDS with the mandated filtering and transcoding as required by the SABR process
- XSLT filter for KLV modification: redaction and geo-fencing (coming)
- Customize filter settings per source stream based on level of trust / security risk (coming)
- Supports ISA protocol for camera discovery and control (coming)

Contact Us: ACS@tridsys.com

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