

XD Vision™ 2.0

Point-to-Point Dual Server Configuration

Hardware-Enforced, High-Volume Cross-Domain Voice, Video & Data

Key Features

- Meets U.S. Government's CDS Baseline requirements and approved for deployment to the U.S. DoD & IC
- Meets rigorous "Raise the Bar" standards
- Enforces hardware-based separation per current U.S. Government diode requirements
- Certified cross-domain VoIP, RoIP, and VTC across existing call infrastructure to preserve investments and simplify deployment
- Real-time HD FMV filtering with pixel-level and KLV metadata controls for precise risk reduction in high-threat missions
- DFDDL-based binary and XML streaming without vendor lock-in to speed new format support and cut lifecycle costs
- Optimized for low-SWaP deployments, reducing hardware footprint for forward-deployed missions

Platform Compatibility:

- **HPE DL 385** (for VoIP, FMV, KLV)
- **Fusion V5** (for structured data, streaming audio)
- **PacStar 454** (Coming)

XD Vision™ 2.0: Cross-Domain Collaboration From Edge to Enterprise on a Single Unified Platform.

XD Vision™ 2.0 is Owl Cyber Defense's® next-generation Cross Domain Solution (CDS) platform purpose-built for the full spectrum of defense and intelligence mission requirements. It consolidates Owl's mission-tested legacy CDS into a single modular architecture that enables secure, real-time cross-domain communications, including VoIP, VTC, FMV with KLV and geo-fencing, chat, and structured data streaming. Available in multiple form factors and configurations, XD Vision 2.0 reliably scales from peer (2-domain) links to complex multi-domain environments. Backed by ongoing U.S. Government evaluation, it features flexible protocol adapters, pluggable content filters, remote management and monitoring, enhanced auditing, and a unified, intuitive GUI. XD Vision 2.0 delivers the flexibility, scalability, and defense-grade security required to accelerate mission readiness from the enterprise core to the tactical edge.

Point-to-Point Dual Server Configuration

XD Vision 2.0's Point-to-Point Dual Server configuration supports low-SWaP deployments that stream data and audio across domains for mission-critical operations. It enforces hardware-based separation between high-side and low-side networks for defense-grade security aligned with U.S. Government diode requirements, and enables high-volume FMV, KLV, VoIP, audio and structured data transfer with reliable integrity and performance for the most demanding high-assurance environments.

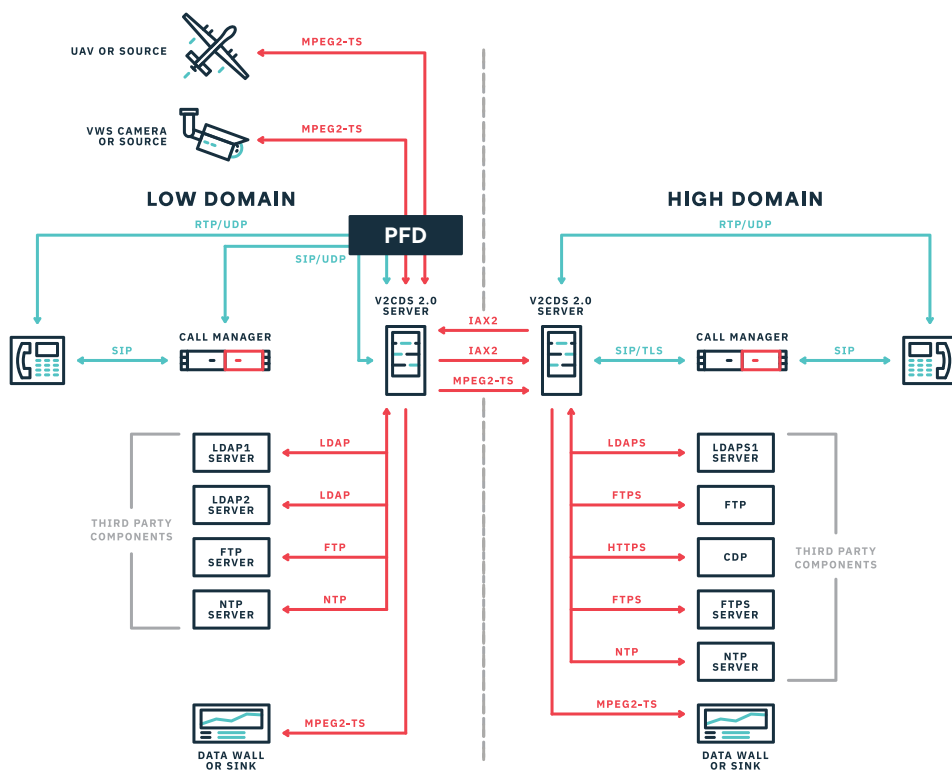
Mission-Scale Voice, Video & Data Streaming

XD Vision 2.0's Point-to-Point Dual Server configuration is ideal for high-assurance, low-bandwidth, and low-SWaP environments. This configuration supports forward-deployed and fixed missions that require bandwidth-intensive real-time cross-domain voice, video, and data exchange between differently classified or higher-risk enclaves to keep mission-critical communications available, secure, and synchronized.



This product is ITAR controlled and additional licenses may be required to export.





How It Works

Sitting between two security domains, XD Vision 2.0's Point-to-Point Dual Server solution brokers secure, real-time voice, video, and data collaboration while maintaining hardware-enforced separation between domains. It terminates sessions on each side, applies policy and content inspection, and then safely re-establishes approved communications so leaders can share mission-critical information without increasing cyber risk.



4 Mission-Ready Deployment Options for Diverse Mission Requirements

In addition to the **Point-to-Point Dual Server** configuration, XD Vision 2.0 is also available in the following configurations:

- **Enterprise Distributed** configuration, ideal for complex enterprise environments requiring secure, simultaneous voice, video, & data transfer across multiple domains.
- **Single Box Multi-Domain** configuration, designed for scalable data & audio streaming across up to 12 domains from a single chassis.
- **Point-to-Point Single Server** configuration, to be validated during LBSA, is optimized for low-SWaP environments with streaming data, audio & FMV requirements.



Owl Cyber Defense Solutions, LLC, headquartered in Columbia, MD, leads the industry in data diode and cross-domain network cybersecurity solutions for faster, safer and smarter decision making. We create solutions tailored for high-risk sectors including the military, government and critical infrastructure. Our advanced technologies enable secure, near-instantaneous collaboration, bridging network barriers to protect critical missions. With a focus on scalability and interoperability, Owl ensures that organizations can maintain secure, reliable, and compliant communication channels against evolving cyber threats.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com.

