

XD Vision™ 2.0

Point-to-Point Single Server Configuration*

Low-SWaP cross-domain FMV, data & audio streaming at the edge.

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
- Real-time HD FMV filtering with pixel-level and KLV metadata controls for precise risk reduction in high-threat missions
- DFDL-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:

- **Systel 2GPU**
- **3UVPX** (Coming Soon)

**To be validated during LBSA*

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 Single Server Configuration

XD Vision 2.0's Point-to-Point Single Server configuration is purpose-built for environments where size, weight, and power (SWaP) are tightly constrained. It consolidates cross-domain structured data, streaming audio, and FMV with KLV transfer into a single ruggedized chassis, providing a robust two-domain connection without the complexity of multiple hardware components. This compact, hardened form factor makes it ideal for forward-deployed units and mobile platforms that require secure, high-performance cross-domain communications at the edge.

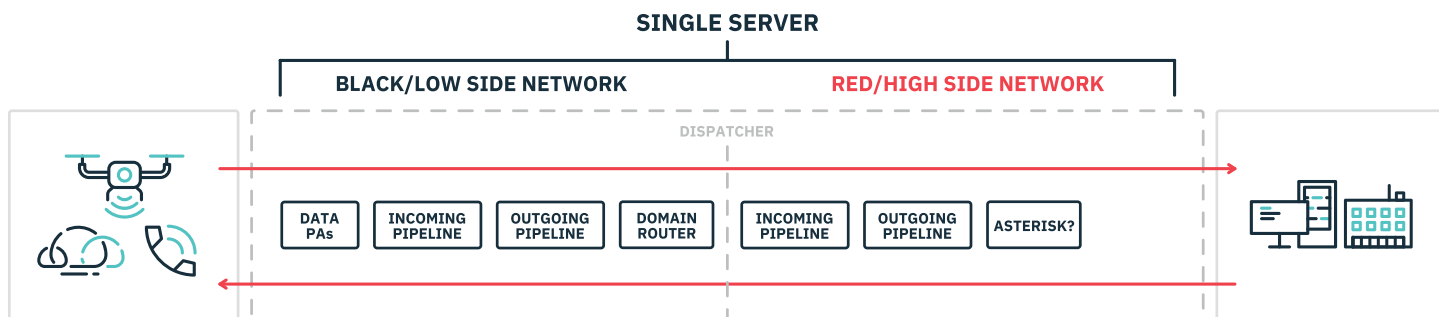
Tactical Edge Feeds. Faster, Smarter Decisions.

In the field, this configuration supports tactical command posts, mobile ISR platforms, and vehicle-mounted or shelter-based systems that must push FMV with embedded KLV metadata, streaming audio, and structured data across domains for real-time targeting and battle management. By delivering these feeds directly to the warfighter at the edge, it enhances situational awareness and decision speed in contested, bandwidth-constrained environments.



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





How It Works

Positioned between two security domains, XD Vision™ 2.0's Point-to-Point Single Server solution brokers secure, real-time voice, video, and data collaboration while maintaining hardware-enforced separation within a single chassis. It terminates sessions on each side, applies policy-driven 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 Single Server** low-SWaP configuration, XD Vision 2.0 is available in the following configurations:

- **Point-to-Point Dual Server** configuration, ideal for high-volume peer VoIP, FMV, & data streaming with strict hardware separation requirements.
- **Enterprise Distributed** configuration, optimized for complex enterprise environments requiring secure, simultaneous voice, video, and 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.



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.

