

XD Vision® 2.0

Single Box Multi-Domain Configuration

Low-SWaP Cross-Domain Streaming Across Up to 12 Security Enclaves.

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
- 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 at the edge
- Engineered for high-volume, multi-domain streaming of audio & structured data
- Ideal for compact enterprise installations and high-density tactical operations

Platform Compatibility:

- **Systel** (with 3 QNICs)
- More Options Coming Soon

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.

Single Box Multi-Domain Configuration

XD Vision 2.0's Single Box Multi-Domain configuration concentrates extensive cross-domain capability into a single hardware chassis. It is architected for high-density environments where physical space is at a premium but multi-domain connectivity is mission-critical. This configuration supports secure structured data & audio streaming across up to 12 domains from a single appliance, significantly reducing Size, Weight, and Power (SWaP) compared to traditional multi-server enterprise solutions while maintaining performance and security.

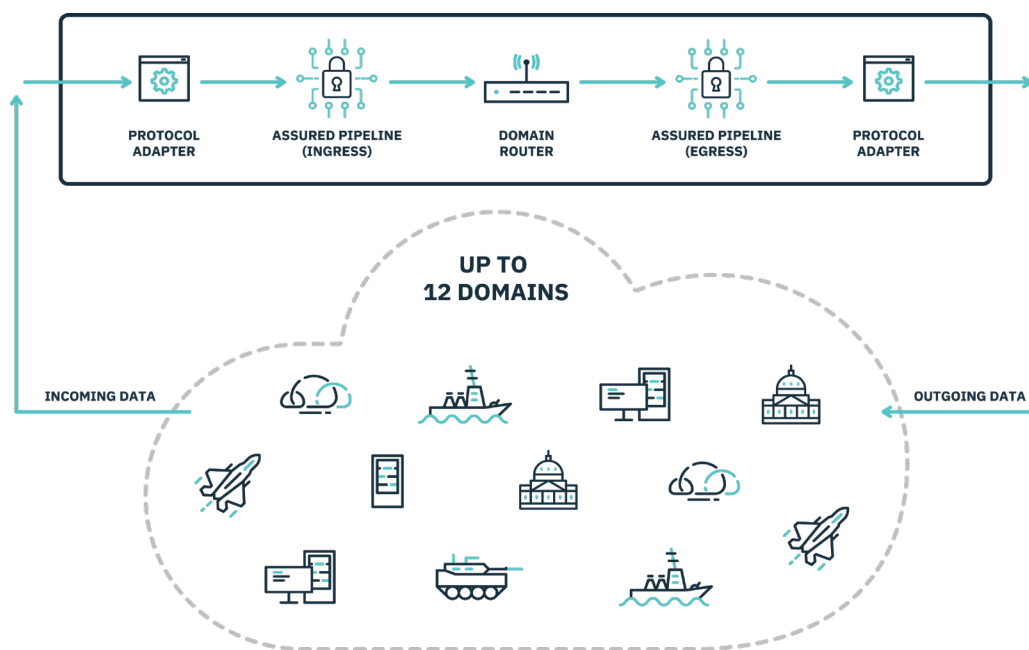
Maximize Density. Simplify Multi-Domain Ops.

The XD Vision 2.0 Single Box Multi-Domain configuration is purpose-built for specialized use cases, such as joint or coalition missions, that demand high-density structured data streaming across numerous security enclaves. It delivers a compact, efficient solution for managing complex information flows in a centralized location. With the ability to support streaming structured data and audio requirements, this configuration provides a forward-looking platform that can evolve with mission needs while preserving a minimal hardware footprint.



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





How It Works

In single chassis, mission data enters through dedicated interfaces using Owl's Quad NIC, where protocol adapters terminate native connections and normalize traffic for inspection and policy enforcement. The assured pipeline (ingress) then validates, sanitizes, and filters these streams before passing approved flows to the domain router, which enforces policy-driven routing between security enclaves. On exit, assured pipeline (egress) and outbound protocol adapters re-establish only authorized data in each destination domain's native format.



4 Mission-Ready Deployment Options for Diverse Mission Requirements

In addition to the **Single Box Multi-Domain** configuration, XD Vision 2.0 is also available in the following configurations:

- **Point-to-Point Single Server** configuration, optimized for low-SWaP environments with streaming data, audio & FMV requirements.
- **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.



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.

