

USE CASE

Field-Ready Protection for Captured Media

Secure inspection & sanitization of captured media so DOMEX teams can trust it

Summary

Challenge

Warfighters encounter unknown documents and media that may hold intelligence value, but connecting them to mission systems risks malware and zero-day exploits.

Solution

XD Air 6™ inspects, cleans, and sanitizes found media on site, clearing files for safe use before they touch a mission system.

Benefits

Operators exploit found media on the spot for immediate use and forward sanitized copies to headquarters without waiting on rear-echelon inspection.

Challenge: Unknown Media Puts the Whole Mission at Risk

Warfighters and Document and Media Exploitation (DOMEX) teams in the field routinely encounter captured enemy documents, digital media, and devices that may hold time-sensitive intelligence tied to Commanders' Critical Information Requirements. Doctrine calls for rapid exploitation at the lowest echelon, but connecting unknown media directly to a laptop, tactical network, or classified system at the point of capture risks introducing malware, zero-day exploits, or hidden malicious content into mission systems. Units need a fast, on-site way to inspect and clear captured media before intelligence moves up the chain, without waiting on rear-echelon labs and without risking the very systems that would exploit it.

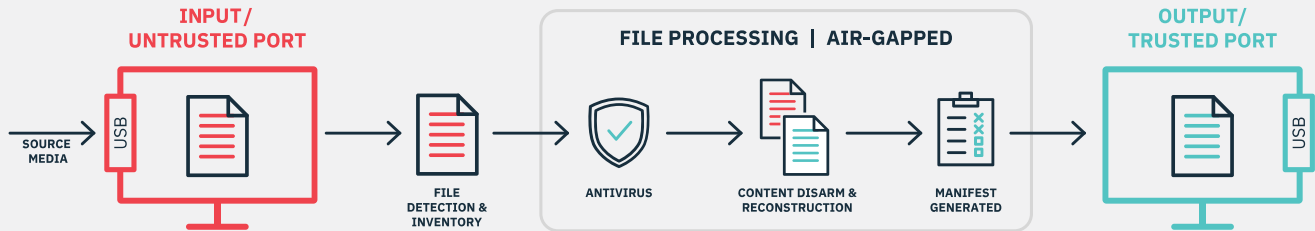
Solution: Solution: XD Air 6™, Multiple Layers of Security Built for the Field

XD Air 6™ is Owl Cyber Defense's® portable, rugged sanitization kiosk that inspects, cleans, and clears files from unknown or untrusted media before they touch a mission system. Multiple layers of security run in parallel, combining several antivirus engines with dual content disarm and reconstruction engines that check files against known-good references, not known-bad signatures alone. This layered approach catches hidden macros, embedded scripts, and zero-day threats a single-engine tool would miss, giving field personnel a trusted, sanitized copy ready for use.

Results

- Collect found media on the spot for immediate operational decisions
- Forward processed copies to headquarters without rear-echelon delay
- Multiple layers of security catch threats a single engine misses
- Rugged, field-ready design built for forward operating and shipboard use
- Self-contained, repeatable process that requires no network connection

How It Works



An operator inserts found media into XD Air 6™ in the field. Multiple layers of security scan every file in parallel, checking content against known-good references and rebuilding files that don't match. Only sanitized copies write to a clean device, ready for field use or transfer to headquarters for further exploitation.



XD Air 6™: Portable Media Threat Protection

XD Air 6™ is Owl's all-in-one, field-ready kiosk for inspecting, cleaning, and safely transferring files from untrusted removable media. Multiple layers of security run in parallel, combining several antivirus engines with dual content disarm and reconstruction engines to catch threats a single-engine tool would miss. Built on a rugged, portable platform, it supports a wide range of file types, file systems, and USB and optical media, giving field and forward-deployed teams a trusted checkpoint before untrusted media reaches sensitive systems.

Note: DOMEX (Document and Media Exploitation) is an established U.S. Intelligence Community and DoD term governed by ICD 302 and DoD Directive 3300.03. XD Air 6™ enables safe DOMEX workflows by inspecting and sanitizing captured media; it does not perform intelligence exploitation itself.



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.

