CORVUSEYE® 1500
WIDE AREA MOTION IMAGERY SYSTEM
DISCOVER, MONITOR, AND RESPOND TO THREATS WITH WIDE AREA SURVEILLANCE

In today’s complex world, threatening activities around borders, high-profile events, and critical infrastructure put lives at risk.

Serve up to 10 ROI views simultaneously from a single sensor.

HARRIS WAMI SYSTEMS HAVE DELIVERED OVER 20,000 HOURS IN SUPPORT OF MILITARY OPERATIONS.

ENHANCE SITUATIONAL AWARENESS

While there are often signs of suspicious activity, it is difficult to place concurrent activities in context and distinguish threats from routine activities when coverage is not wide enough, and budgets and resources are limited. Even with investments in traditional video surveillance systems, the unpredictable nature of threats makes understanding what is happening over a wider area challenging.

Wide Area Surveillance Captures Threats

Harris lets users quickly respond to threats with a turnkey surveillance solution that complements higher frame rate full-motion video (FMV) systems by proactively and persistently capturing 2 frames per second over an area more than 100 times larger than a standard FMV sensor. Harris wide area motion imagery (WAMI) systems are trusted and proven in theater, having delivered over 20,000 hours in support of military operations.

CorvusEye® 1500 is a 15-inch WAMI system that enables a team to observe activity, track movement, and gather critical intelligence over a city-size area—reducing time to higher confidence decisions.

See Events as They Unfold

Understand what is happening across the region by observing activities and events with persistent surveillance.

- Continuously monitor the region day or night with a wide coverage area
  - CorvusEye® 1500C (visible color sensor): Up to 7 km²/2.7 mi² at 15,000 ft.
  - CorvusEye® 1500CM (visible color/infrared sensor): Up to 3.1 km²/1.2 mi² at 15,000 ft.
- High-resolution motion imagery improves the visual tracking of vehicles and individuals
  - Visible color: As good as 0.26 m GSD
  - Infrared (IR): As good as 0.45 m GSD

BENEFITS

- Offers persistent coverage over a city-size area—day and night
- Improves utilization of surveillance resources with up to 10 region of interest (ROI) views streamed simultaneously
- Establishes trends and interconnected patterns of life through powerful forensic capabilities
- Offers quick integration into any standard 15-inch gimble location
- Exports to over 45 countries

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SEE MORE WITH CORVUSEYE® 1500

REDUCE TIME TO HIGHER CONFIDENCE DECISIONS
Track movement and quickly distinguish threats from routine.

- Improve utilization of surveillance resources by streaming up to 10 independent ROI views simultaneously from a single sensor. This enables tracking of multiple objects and multiple users to view footage relevant to their specific needs.
- Support activity-based intelligence with powerful forensic capabilities that establish trends and interconnected patterns of life, including social interactions, origins of travel, and destinations.
- Automate tasks with optional plug-ins. These force multiplier tools* alert users of suspicious activity within user-placed watch boxes or tripwires, track movement, and can even task an FMV sensor to follow a vehicle.

Infrared CorvusEye® 1500CM coverage from 15,000 feet.

*Capabilities may not be available for all customers
REAL-TIME ANALYTICS

CogniSense™ is a flexible, scalable, and standards-based embedded analytic framework developed by Harris that processes multi-sensor data and enables real-time sensor cueing, cross correlation, and autonomous analytics.

CogniSense™ enables CorvusEye® 1500 to stream multiple ROI views in real time and automate tasks through plug-in tools* without requiring human intervention.

Optional CogniSense™ plug-ins alert users of activity and automatically track movement.

*Capabilities may not be available for all customers

About Harris Corporation

Harris Corporation is a leading technology innovator, solving our customers’ toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports customers in more than 125 countries, has approximately $8 billion in annual revenue and 22,000 employees worldwide. The company is organized into four business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

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