

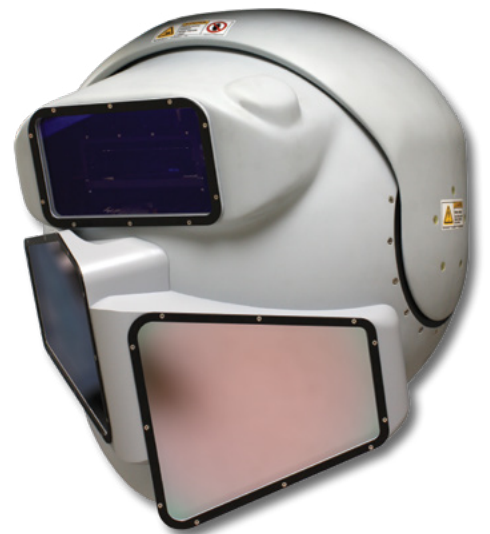
# Airborne Wide Area Persistent Surveillance System (AWAPSS)

The AWAPSS system satisfies the urgent need for persistent, day/night overhead surveillance of today's asymmetric environments. Blanketing a footprint of 8 kilometers in diameter, AWAPSS delivers near real-time imagery with abundant storage for analysis of current and past events. It can be integrated with fixed-wing, rotary-wing, and unmanned platforms to support a variety of mission scenarios.

Full field of view, 8 kilometers simultaneous day/night



The system offers a variety of capabilities, including mission planning, sensor control, mode selection, tracking, and data analysis.



21 inch (53 centimeter) AWAPSS Turret

## Specifications

### Sensor type

Dual band sector scan panoramic,  
auto exposure, par-focalized

Visible resolution, 20K' SR. .75 meters

IR resolution, 20K' SR 1.0 meter

Frames per second Field selectable  
1 or 2 hertz

Bits per pixel 12 Vis, 14 IR

Coverage 68 AT x 60 XT  
degrees

### Performance

Flight hours >30,000 hours

Visible brightness range 50 to 8,000 foot  
lamberts

NEDT 40 milli Kelvin

Persistent image area 8 kilometer diameter

### Sensor turret

Size 21" diameter x  
27" high  
(53 centimeter  
diameter x  
68 centimeter)

Weight 212 pounds  
(96 kilograms)

Average power 500 watts

## Features

Provides continuous day/night wide-area motion imagery to detect and track moving vehicle and dismount targets

Integrates with fixed-wing, rotary-wing, and unmanned platforms to support a wide variety of mission scenarios, including urban surveillance, port surveillance, and border surveillance

Provides a complete dissemination suite with ground station, data link, and exploitation capabilities

Extremely compact system incorporates dual-band large format imaging in a 21 inch diameter turret with simple bolt-on platform interface

Satisfies the rigors of military operational environments with self contained control of vibration, temperature and aerodynamic loads

Providing reliable **surveillance**  
**and image analysis** capabilities  
since 2010

Full field of view, 8 kilometers simultaneous day/night



20x zoom



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