



# Peridot

## Modular Daytime Observation System for Panoramic Coverage

Peridot is a ruggedized observation system designed for wide-area, high-clarity daytime surveillance across defense and homeland security missions. The system integrates four IP day cameras to deliver a combined 90° vertical and 45° horizontal field of view. Each camera provides 45° coverage with partial overlap, ensuring continuous, distortion-free video across the entire scene.

Peridot transmits raw video streams through a built-in Ethernet switch to the user's system, allowing integration with external processing, recording, or analytics platforms.



Several Peridot systems can be combined to form 360° horizontal or 180° vertical panoramic coverage, supporting flexible deployment on manned, ground and aerial platforms.

### Markets and Applications

#### Military

Situational awareness,  
train dominance,  
and observation masts

#### Homeland Security

Border surveillance,  
fixed-site monitoring

### Key Benefits

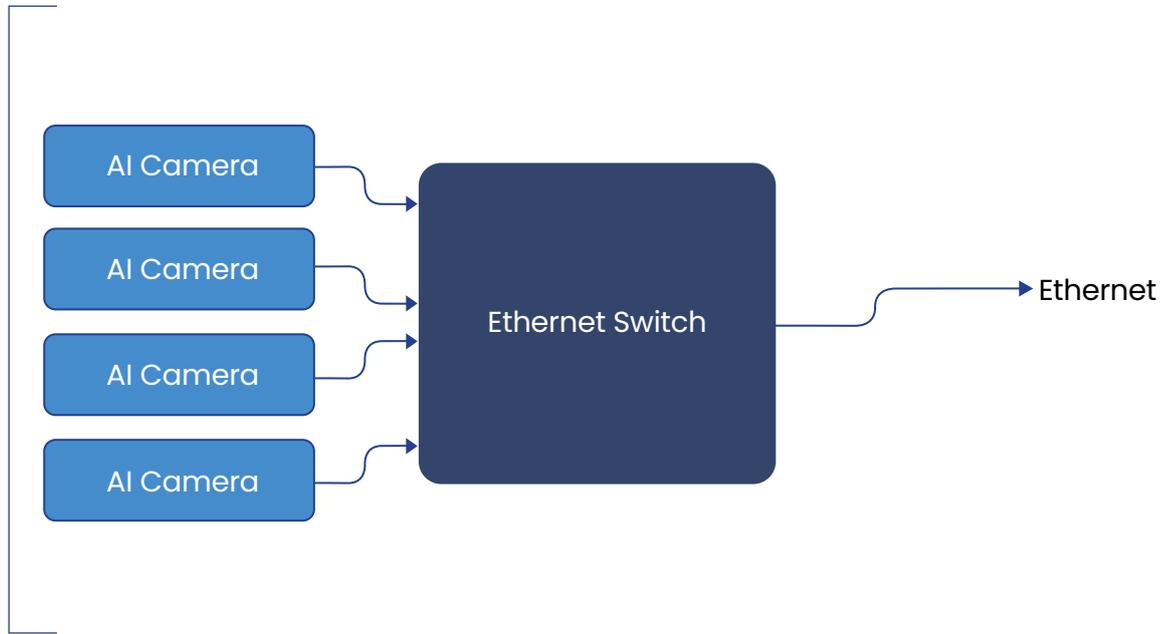
- Continuous panoramic visibility
- Seamless daytime monitoring
- Scalable to 360° coverage
- Easy system integration
- Reliable in harsh conditions



### Key Features

- Four 1080p60 IP day cameras, each with 45° FOV and partial overlap for seamless 90° coverage
- Integrated Ethernet switch for consolidated video transmission
- Video streaming output — ready for user-side processing or AI integration
- Modular design: combines units for horizontal or vertical panoramic arrays
- Ruggedized for land, sea, and fixed-site deployments

## Block Diagram



## Technical Specifications

Cameras	4× IP day cameras, 1080p60 resolution, 45° FOV each
Effective Coverage	90° vertical, 45° horizontal
Extended Coverage	Up to 360° horizontal or 180° vertical (multi-module)
Output	Video via Ethernet line
Switch	Integrated electronic card (video aggregation and transmission)
Zoom	Mechanical zoom per camera
Processing	None (video streaming only)
Enclosure	Ruggedized, compact for land and sea platforms

