

CY63-E Two-Camera Multisensor

Bidirectional 4K Coverage From a Single Install Point



Overview

The CY63-E two-camera multisensor features two independent and adjustable image sensors which together support expansive 4K coverage from a single install point. A pair of 1 / 2.8" progressive CMOS image sensors, each with 2.55x optical zoom and 30 meters / 98 feet of IR range, enable vivid and highly-detailed image quality in varied lighting conditions. The CY63-E includes a CV72S Ambarella processor to support advanced analytics like [AI-powered search](#), [AI-powered unified timeline](#), [occupancy trends](#), line crossing, loitering, and person of interest (POI) alerts. The camera excels in high-traffic areas including busy hallways, building entrances and exits, and lobbies, where detailed people and vehicle capture play a key role in expediting investigations.

The CY63-E's robust metal housing, IP66/IP67 weather rating, and IK10 impact rating enable the device to withstand inclement weather and demanding environments. Constructed with efficient installation top-of-mind, the CY63-E features captive screws that remain attached to the mounting plate, a latch-based cable gland for easy PoE threading, a three-LED light status indicator, a built-in bubble level, and alignment presets that guide each lens into optimal positions for common viewing angles.

Key features

Superior image quality

- Two 1 / 2.8" progressive CMOS image sensors
- 4K resolution
- Two varifocal lenses with 2.55x optical zoom per lens
- 30 meters / 98 feet of IR range for nighttime viewing

Expansive coverage

- Individually adjustable and repositionable sensor heads
- Total field of view up to 180°

Streamlined installation

- Single PoE+ cable required
- Latch-based cable gland for easy PoE threading
- Alignment presets for optimal lens positioning
- Physical and digital mute switches to easily enable or disable audio

Durability and weather protection

- Robust metal housing
- IP66/IP67 weather rating
- IK10 impact rating
- Operability between -40°C to 50°C / -40°F to 122°F

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 120 days (1TB - 4TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Advanced analytics

- Onboard CV72S Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts
- Occupancy trends for operational insights