

CH63-E Four-Camera Multisensor

4K Coverage in All Directions From a Single Install Point



Overview

The CH63-E four-camera multisensor features four independent and adjustable image sensors which together support 4K coverage in all directions from a single install point. 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 CH63-E includes a pair of CV72S Ambarella processors 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 is optimal for covering busy hallway intersections, open atriums near key entrances and exits, and open floor areas with valuable merchandise, offering detailed face and vehicle capture across an undistorted 360° field of view.

The CH63-E's redesigned housing, IP66/IP67 weather rating, and IK10 impact rating enable the device to withstand extreme temperatures and excessive precipitation. Constructed with easy and efficient installation top-of-mind, the CH63-E features a single tool install, a latch-based cable gland for easy PoE threading, a three-LED status light indicator, and alignment presets that guide each lens into optimal positions for common viewing angles.

Key features

Superior image quality

- Four 1 / 2.8" progressive CMOS image sensors
- 4K resolution
- Four 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 360°

Advanced analytics

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

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 (2TB - 8TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

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