CY53-E Two-Camera Multisensor

Bidirectional 5MP Coverage From a Single Install Point

Overview

The CY53-E two-camera multisensor features two independent and adjustable 5MP image sensors which together support expansive 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 clear and consistent image quality in varied lighting conditions. The CY53-E includes a CV72S Ambarella processor to support advanced analytics like AI-powered search, history player search, occupancy trends, line crossing, loitering, and Person of Interest (POI) alerts. The camera is optimal for covering bidirectional hallways, warehouse aisles, wide entryways, and building lobbies – offering double the visibility of a single-sensor camera and, with configurable sensors, minimizing blind spots while only requiring a single PoE+ cable and IP address.

The CY53-E's robust metal housing, IP66/67 weather rating, and IK10 impact rating enable the device to withstand extreme temperatures and weather. Constructed with easy and efficient installation top-of-mind, the CY53-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

Excellent image quality

- Two 1 / 2.8" progressive CMOS image sensors
- 5MP 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 176°

Streamlined installation

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

Durability and weather protection

- Robust metal housing
- IP66/67 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 (512GB - 2TB) 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