CF83-E Fisheye Camera

Expansive 180° Coverage with Detailed 12.5MP Resolution

Overview

The CF83-E fisheye camera features a large 1 / 1.6" progressive CMOS image sensor and 12.5MP resolution for great image quality amid varying lighting conditions and inclement weather. With its onboard CV72S Ambarella processor, the CF83-E delivers advanced analytics like AI-powered search, motion trajectory mapping, line crossing, and loitering alerts. The CF83-E offers wide-angle, 180-degree coverage, yet is built to minimize classic fisheye distortion, making its ePTZ mode particularly effective for live monitoring and clear investigations. The CF83-E is ideal for providing overview coverage of large areas–like city blocks, long corridors, and large interior spaces–all from a single install point.

The CF83-E is built with an in-house industrial design for durability and easy installation. It features a robust metal exterior with an IP66/67 weather rating and IK10 impact protection, ensuring reliable performance in harsh environments. The CF83-E's design streamlines installation and large fleet deployments with features such as captive screws that remain attached to the mounting plate, a latch-based cable gland for easy PoE threading, a three-LED light status indicator, and a built-in bubble level for precise alignment.

Key features

Excellent image quality

- Large 1 / 1.6" progressive CMOS image sensor
- 12.5MP resolution
- 20 meters / 66 feet of IR range for nighttime viewing

Streamlined installation

- Latch-based cable gland for easy PoE threading
- Captive screws in mounting plate
- Three-LED light status indicator
- Built-in bubble level
- Physical and digital mute switches to easily enable or disable audio

Advanced analytics

- Onboard CV72S Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts

Hybrid cloud architecture

- Onboard storage and processing helps reduce bandwidth consumption, and enables coverage at scale
- 30 - 120 days (512GB - 3TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

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

Extensive coverage and monitoring

- 180-degree field of view
- ePTZ, panoramic, and split viewing modes for enhanced live monitoring of large areas