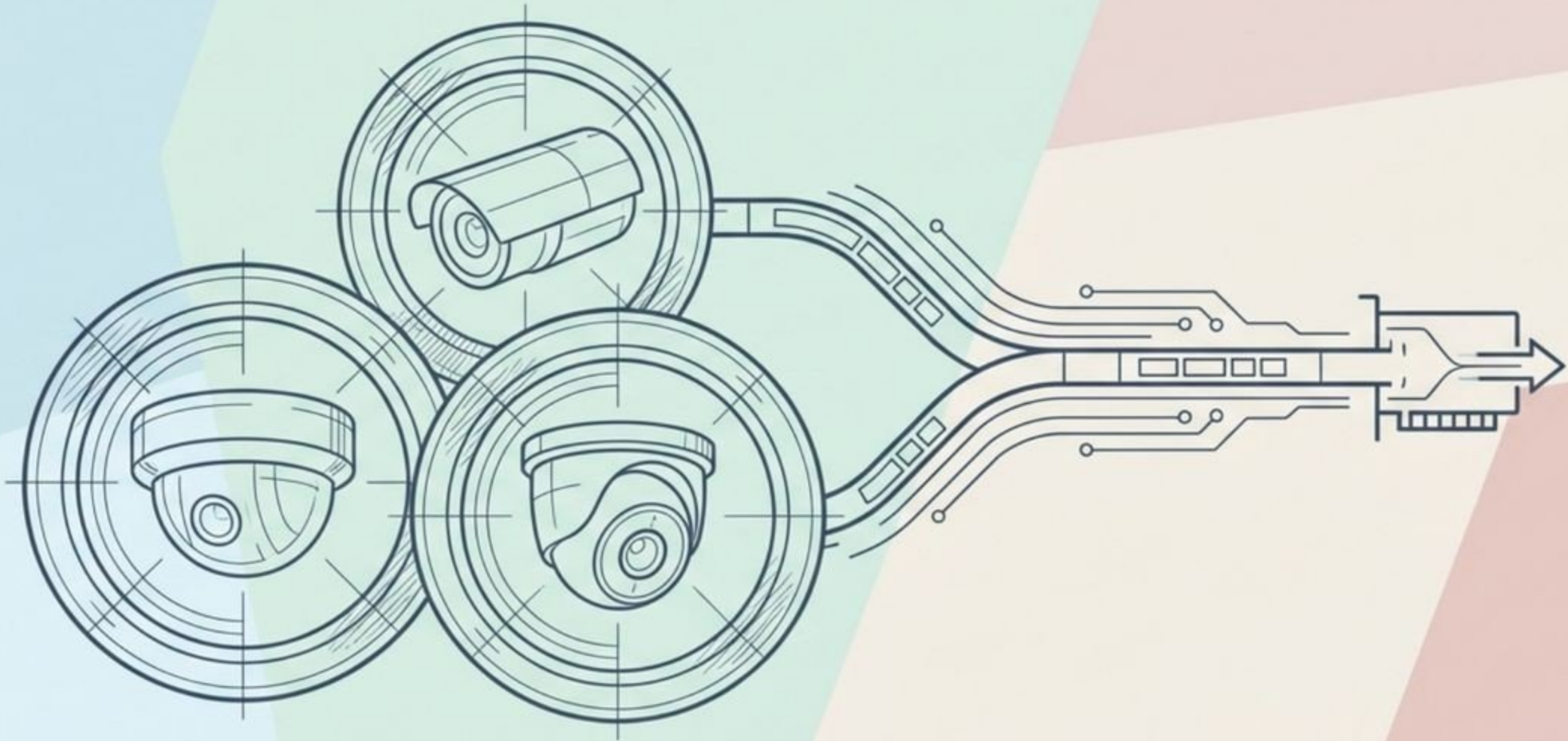


Multi-Imager Surveillance

Single Camera with Multiple Lenses for Panoramic or Multi-Directional Surveillance



Overview

Eliminating Blind Spots with Multi-Imager Technology



Overcome the physical limitations of traditional IP cameras, which restrict field of view to a single sensor.



Consolidate hardware by replacing multiple adjacent cameras with a single multi-lens device.

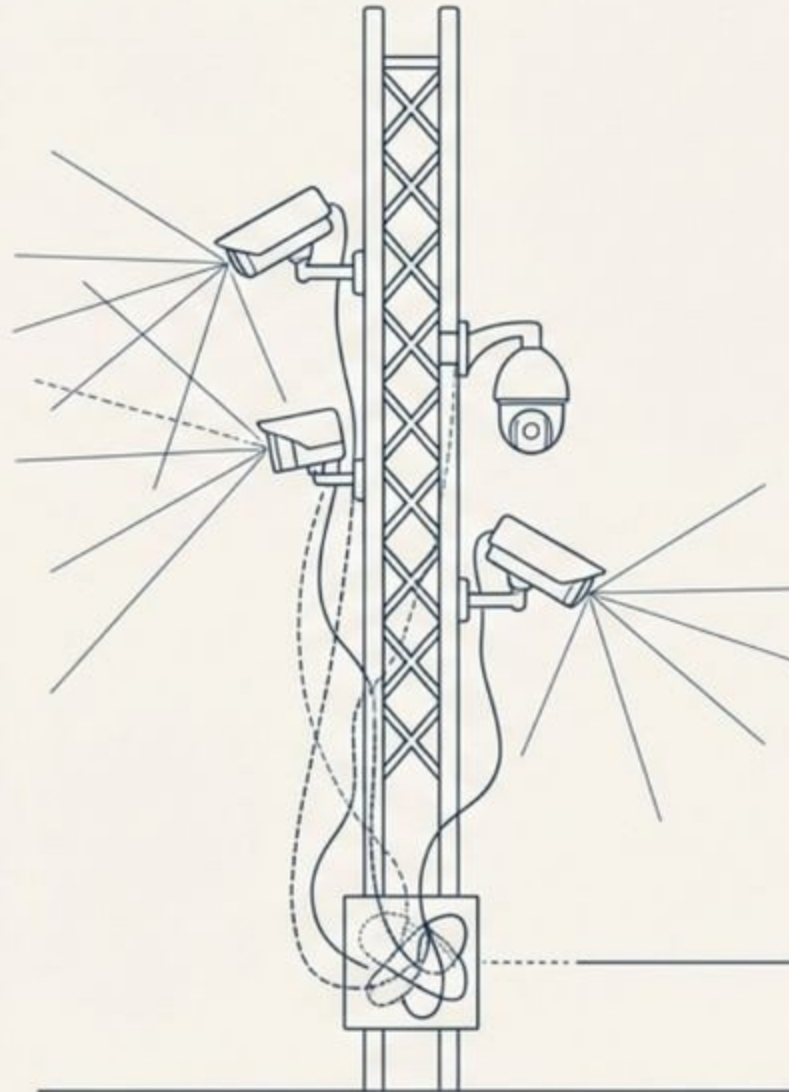


Achieve seamless 180° to 360° panoramic views with zero blind spots, or utilize multi-directional adjustments to independently cover separate zones.

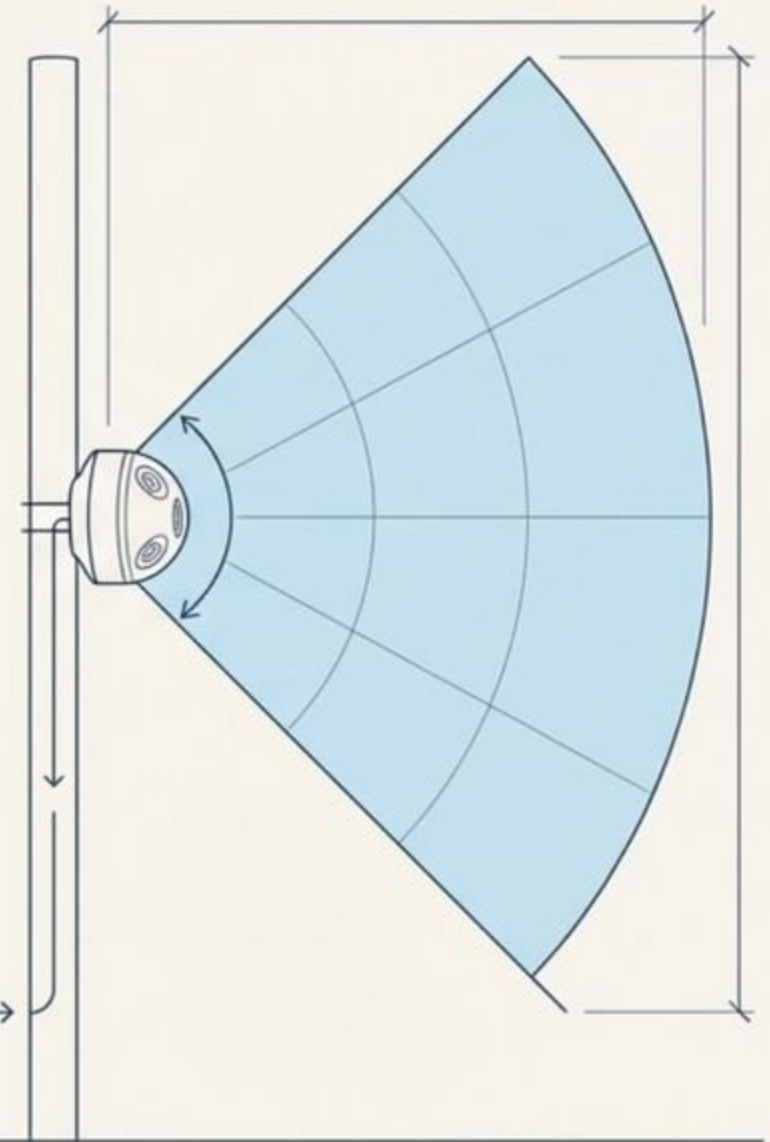


Produce high-detail images with massive pixels-per-foot, enabling advanced applications like facial recognition and ALPR (outperforming standard fisheye lenses).

TRADITIONAL SINGLE-LENS CAMERAS



MULTI-IMAGER TECHNOLOGY



Features

Core Capabilities of ACTi Multi-Imager Cameras



Panoramic View Solutions

Engineered to cover massive fields of view (180° to 360°) with zero blind spots. Delivers crystal-clear details for high-stakes identification.



Multi-Directional View Solutions

Features independently adjustable lenses (pan, tilt, and rotation). One device replaces multiple conventional cameras facing completely different directions.



Efficient Installation

Drastically reduces deployment complexity and labor costs; multiple independent video feeds require only one PoE cable.



Advanced Optics

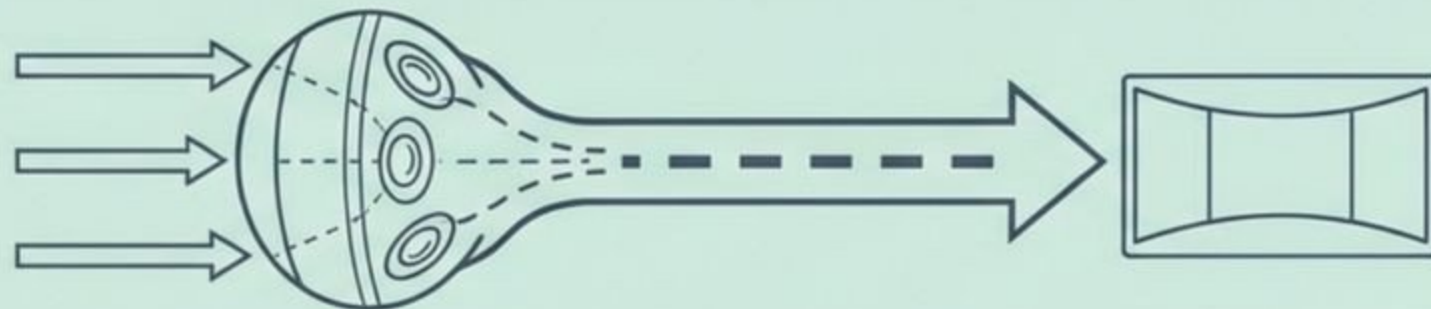
Equipped with fixed, vari-focal, or auto-focus zoom lenses, allowing real-time VMS interface adjustments up to 42x optical zoom.

Architectures

Video Stream Data Flow and Alignment Processing

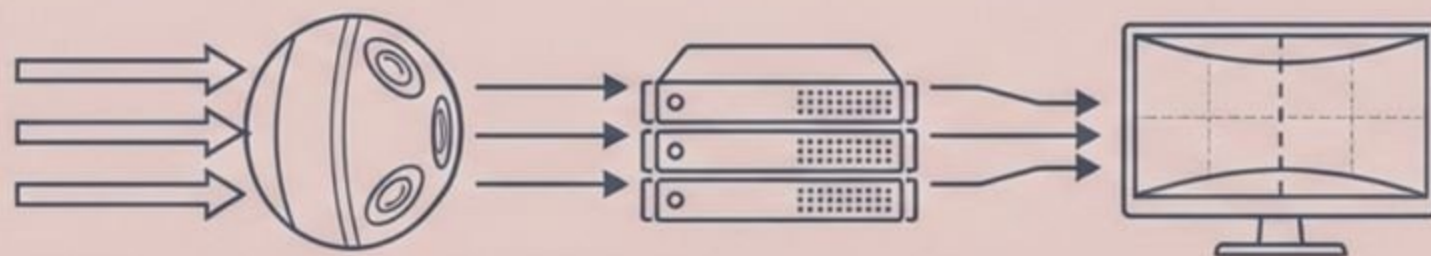
Stitched Streams (In-Camera Processing)

The multi-imager camera internally aligns and stitches video feeds into a single, ultra-wide video stream. Simplifies VMS layout management by eliminating the need for manual alignment.



Non-Stitched Streams (VMS Layout)

The camera delivers individual channels to the NVR. The NVR records them separately, but seamlessly aligns them within the live view or playback layout to form a panoramic image.

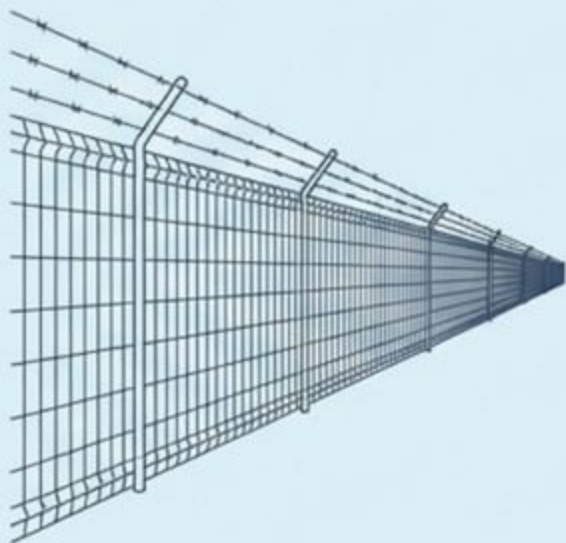


Rigid Structural Alignment

Brackets and lens gimbals are designed to move together as one rigid structure (up/down or left/right), ensuring perfectly maintained optical alignment during and after installation.

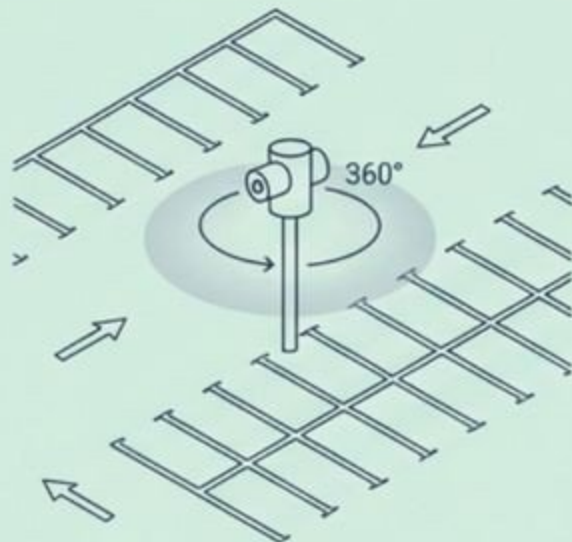
Applications

High-Resolution Coverage for Key Vertical Markets



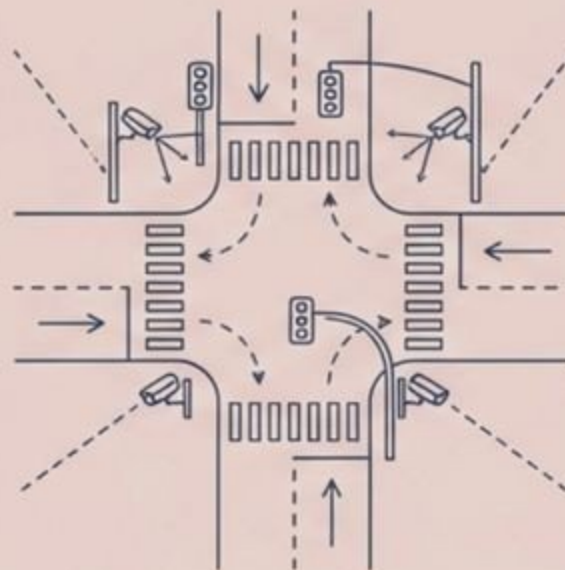
Perimeter Surveillance

Secure expansive fence lines and facility borders with seamless 180° continuous monitoring and superior low-light sensitivity.



Parking Lot Monitoring

Deploy 360° overviews with exceptionally high pixel density, crucial for identifying vehicle details and incidents across large open lots.



Traffic Monitoring

Utilize independently adjustable multi-directional lenses at complex intersections to support high-speed ALPR applications.

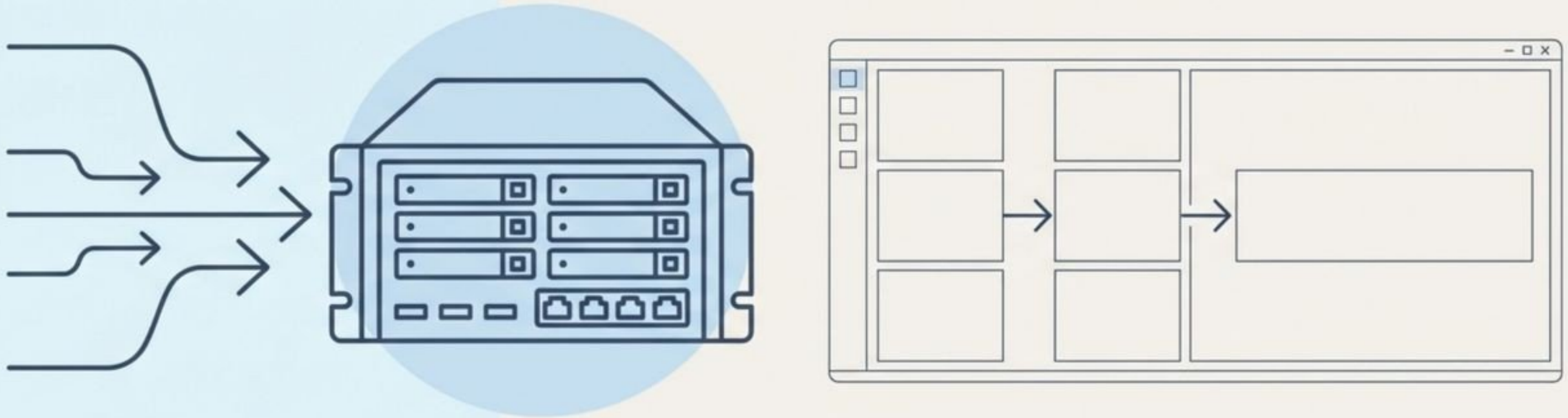


City Surveillance

Replace multiple conventional pole cameras in public squares with a single, high-durability unit to reduce urban visual clutter while maximizing situational awareness.

Solutions

Seamless VMS Integration and Licensing Mechanics



Native Software Integration

Fully compatible and optimized for ACTi's NVR 3 and CMS 2 platforms.

Adaptive View Grid Management

ACTi's VMS interface dynamically merges grid cells to perfectly preserve the super-wide aspect ratios (e.g., 2:1 or 3:1) of stitched panoramic video during live view and playback.

Channel Licensing Rules

- **Stitched Images:** Occupies only one VMS video channel license, maximizing cost-efficiency for panoramic overviews.
- **Non-Stitched Images:** Each independent stream occupies its own individual channel license.

Product Matrix

Bullet and Turret Multi-Imager Solutions



Product Type:
Bullet

Model:
Q450

Resolution:
8MP
(2-Sensor 180°)

Key Differentiators
Superior WDR,
Adaptive IR, Superior
Low Light Sensitivity,
Day/Night



Product Type:
Turret

Model:
Q550

Resolution:
8MP (Outdoor
2-Sensor 180°)

Key Differentiators
Extreme WDR, Built-in
Analytics, Superior
Low Light Sensitivity,
Day/Night

Product Matrix

Dome and PTZ Multi-Imager Solutions



Product Type:

Dome

Model:

Q711

Resolution:

8MP (Outdoor
2-Sensor)

Key Differentiators:

Superior WDR, Extreme
Low Light Sensitivity, Built-
in Analytics, Day/Night

Dome

Q75

20MP (Outdoor
4-Sensor 180°)

Advanced WDR, Superior
Low Light Sensitivity,
Day/Night

Dome

Q84

20MP (Outdoor
4-Sensor 360°)

Extreme WDR, 5x Optical
Zoom, Built-in Analytics,
Day/Night



Product Type:

PTZ

Model:

K9001

Resolution:

32MP (Outdoor
Multi-Imager)

Key Differentiators

42x Optical Zoom,
Superior WDR, Adaptive
IR, Superior Low Light
Sensitivity, Built-in
Analytics, Day/Night

Comparison

Selecting the Right Form Factor by Specification



Maximum Optical Range

Select the **K9001** PTZ (32MP) to leverage the massive 42x optical zoom for extreme distance monitoring.



Omnidirectional Coverage

Deploy the **Q84** Dome (20MP, 4-Sensor) for complete 360° environments requiring 5x optical zoom and extreme WDR.



Cost-Effective Perimeter / Corridor Line

Utilize the **Q711** Dome or **Q450** Bullet (8MP, 2-Sensor) for dual-direction or 180° perimeter applications.



Edge Intelligence

Models **Q550** (Turret), **Q711** (Dome), **Q84** (Dome), and **K9001** (PTZ) natively feature Built-in Analytics to drive automated alerts and data collection.

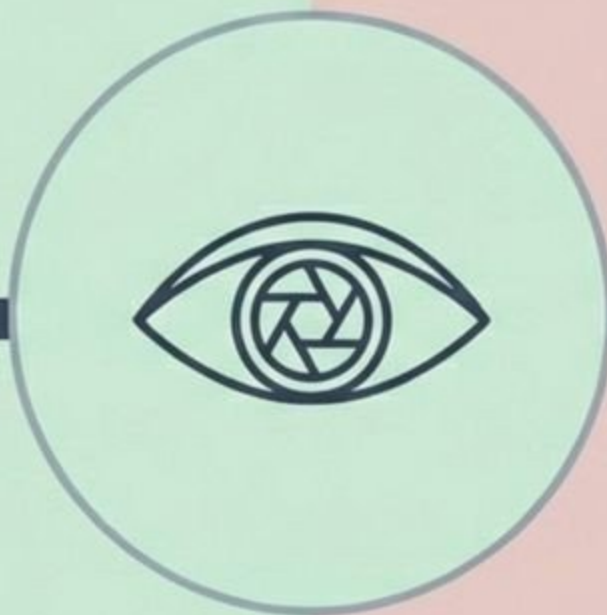
Summary

Empowering Integrators to Achieve More with Less Hardware



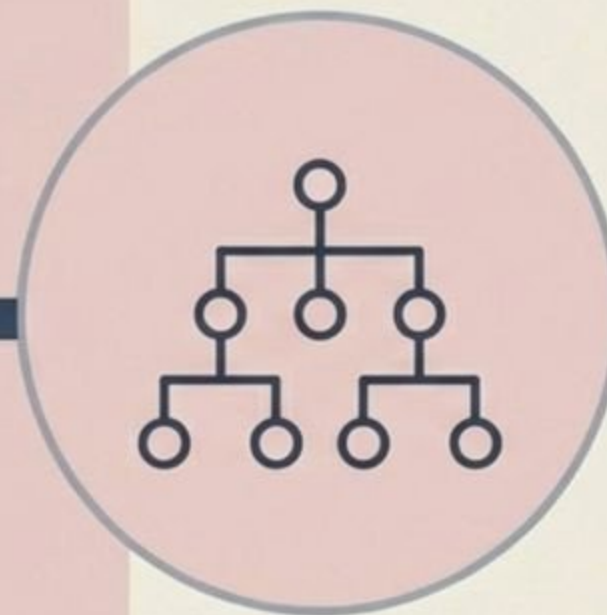
Consolidated Infrastructure

Dramatically reduce installation labor and cabling by replacing multiple traditional cameras with single-cable PoE multi-imager devices.



Uncompromised Detail

Far exceeds the pixel density of traditional fisheye lenses, capturing actionable, high-resolution evidence required for ALPR and facial recognition.



Flexible Deployment Economics

Choose between stitched streams to minimize VMS licensing costs, or non-stitched architectures for customized, multi-directional NVR 3 and CMS 2 layouts.

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