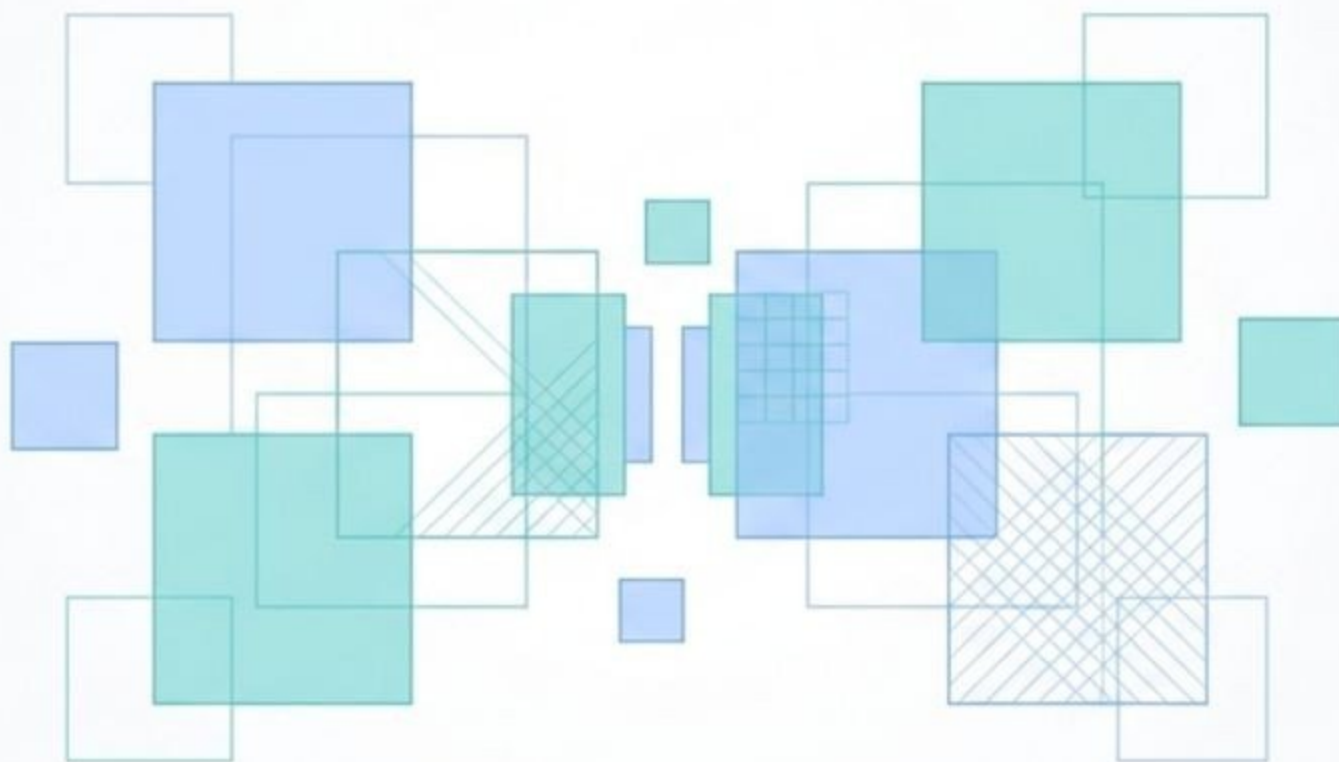


H.265 Adaptive Stream

Next generation video compression delivering high video quality and low bandwidth.



Overview

Meeting the market standard for high-efficiency video coding.



What is H.265?

High Efficiency Video Coding (HEVC). Successor to H.264.

Offers double the data compression ratio at the same video quality.

What is H.265 Adaptive Stream?

ACTi's extended technology achieving even lower bandwidth than standard H.265.

Key Insight

It is comparable to Zip, Smart Stream, or H.265+. When a

project requires H.265+, you can specify ACTi's H.265 Adaptive Stream products.

Features

Core capabilities of the adaptive compression engine.



Nearly all ACTi's cameras and VMS support H.265 Adaptive Stream



Equivalent to Zip or Smart Stream or H.265+



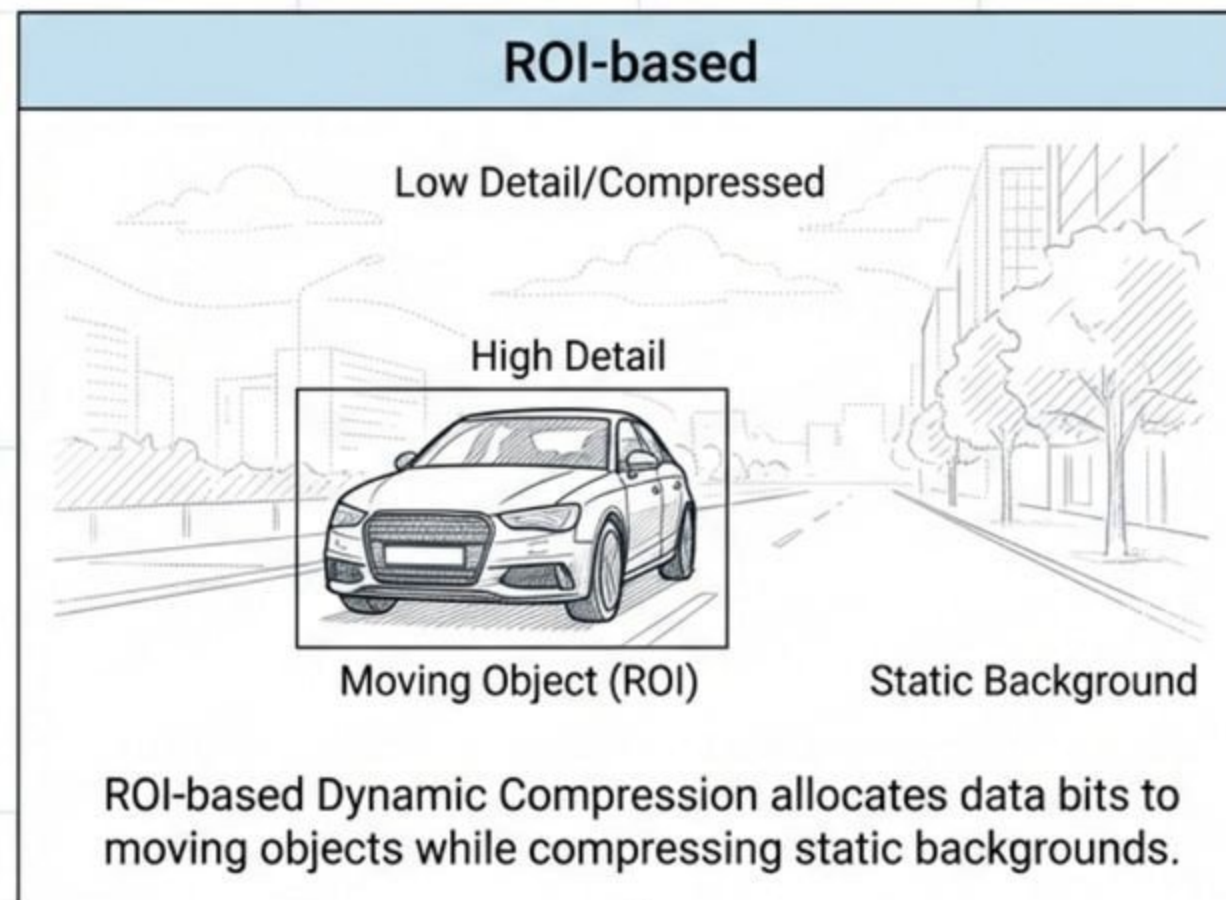
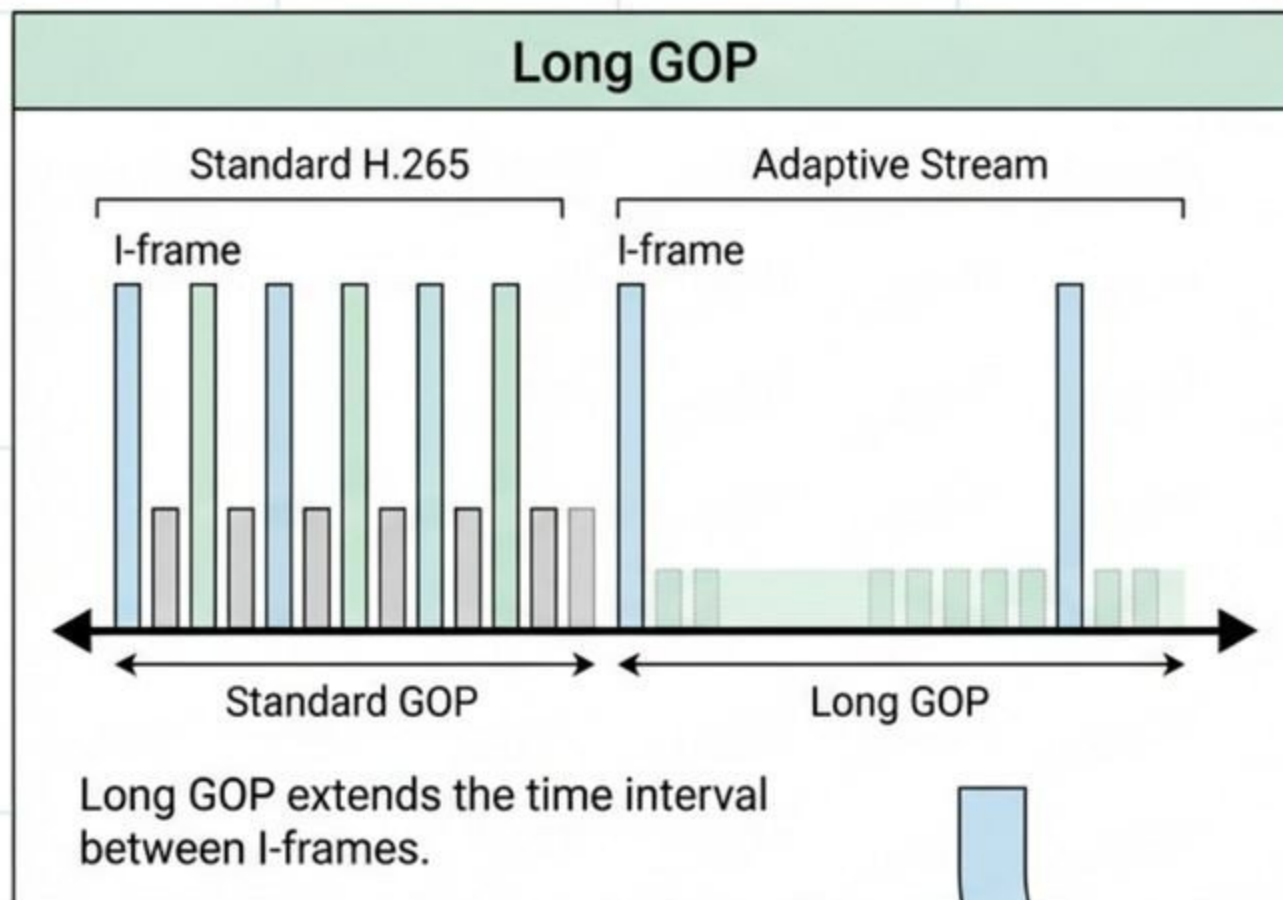
Long GOP and ROI-based dynamic compression



Significant Bandwidth and Storage saving

Architectures

Intelligent algorithms for maximum efficiency.



Result: Video stream size is 2-3 times smaller than standard H.265.

Applications

Optimizing project budgets through data reduction.



Low Bandwidth Scenarios



Ideal for streaming over public Internet to remote control centers.



Reduces upstream bandwidth requirements.



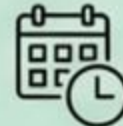
Enables lower-cost ISP plans while preserving video quality.



Storage Efficiency



Significantly saves NVR storage space.



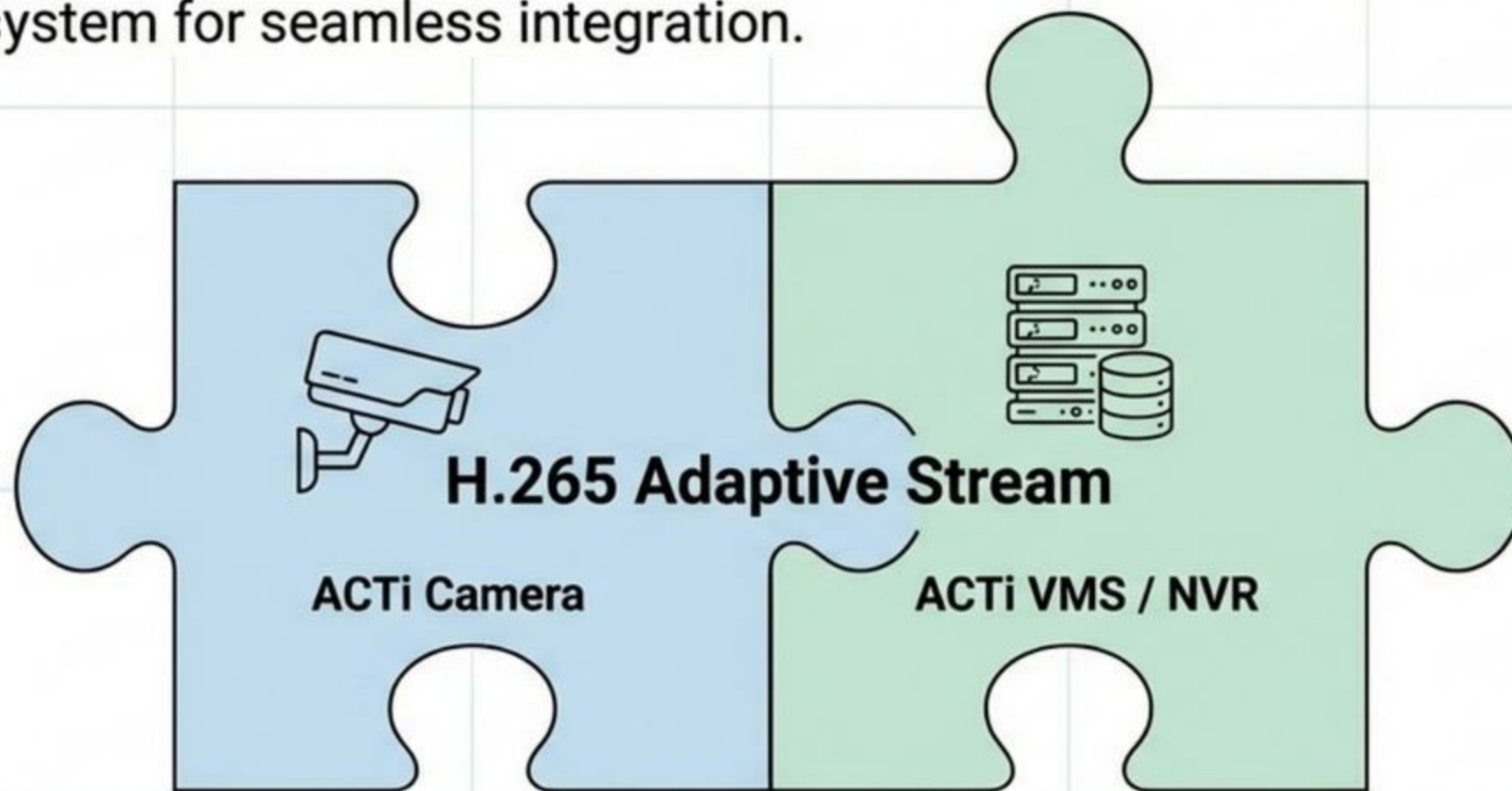
Record more days on the same disk size.



Use smaller, cheaper hard drives for the same retention period.

Solutions

A unified ecosystem for seamless integration.



Requirement:

Both the camera and the VMS must support the protocol to utilize H.265 Adaptive Stream.



The ACTi Advantage:

As a Unified Solution provider, ACTi ensures cameras and VMS products are fully integrated.



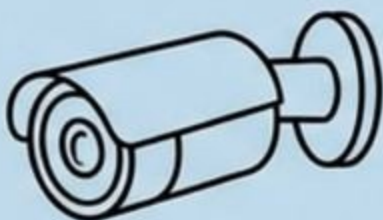
Capability:

ACTi NVRs and CMS are optimized to decode and manage these adaptive streams efficiently.

Product Introduction

Comprehensive support across all form factors.

ACTi provides a vast range of models supporting H.265 Adaptive Stream. Browse the following product matrices to find the right specification for your project.



Bullet Camera



Dome Camera



Turret Camera



PTZ / Speed Dome

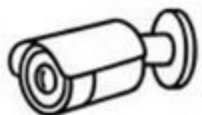


Box Camera



Fisheye / Hemispheric

Product Matrix: Bullet Cameras



Fixed Bullets

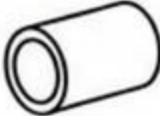
A313	4MP	Extreme WDR, Analytics
A314	6MP	Extreme WDR, Analytics
K33	5MP	Extreme WDR, Low Light
Z318	8MP	Adaptive IR, Analytics
L33	6MP	Extreme WDR



Zoom Bullets

A220	2MP	4.3x Optical Zoom
A410	5MP	5x Optical Zoom, Adaptive IR
A421	8MP	4.3x Optical Zoom, Analytics
Z429	8MP	5x Optical Zoom, Superior WDR
B419	5MP	10x Optical Zoom
Z411	4MP	22x Optical Zoom

Product Matrix: Thermal & Box

 Thermal Cameras		
Model	MP	Features
A371	4MP Thermal	Adaptive IR, Superior WDR
VMGB-359	4MP Thermal	Analytics, Low Light Sensitivity
K371 Series	4MP Thermal	Superior WDR
A570	4MP Thermal Turret	(Note: Turret Form Factor)

 Box Cameras		
Model	MP	Features
A213	5MP	Fixed Box, Extreme Low Light
A29	2MP	Fixed Box, Built-in Analytics
B26	3MP	Zoom Box, 36x Optical Zoom
A214	5MP	Zoom Box, 40x Optical Zoom

Product Matrix: Domes & Turrets



Dome Cameras

Model	MP	Features
A76	4MP	Fixed, Outdoor, Extreme WDR
A810	5MP	Zoom (5x), Adaptive IR
K81	2MP	Zoom (4.3x), Extreme Low Light
Z818	8MP	Zoom (5x), Analytics
Q711	8MP	Multi-sensor Dome



Turret Cameras

Model	MP	Features
Z510	2MP	Fixed, Outdoor, Superior WDR
Z56	8MP	Fixed, Outdoor, Low Light
Z64	8MP	Zoom (4.3x), Adaptive IR
Z81	2MP	Zoom (4.4x), Extreme WDR

Product Matrix: PTZ & Hemispheric



PTZ / Speed Domes

Model	MP	Features
A952	8MP	22x Optical Zoom, Analytics
A961	2MP	60x Optical Zoom, Extreme WDR
B915	3MP	36x Optical Zoom, Adaptive IR
K958	8MP	25x Optical Zoom
Z953	8MP	40x Optical Zoom
Q990	2MP	Positioning System, 45x Zoom

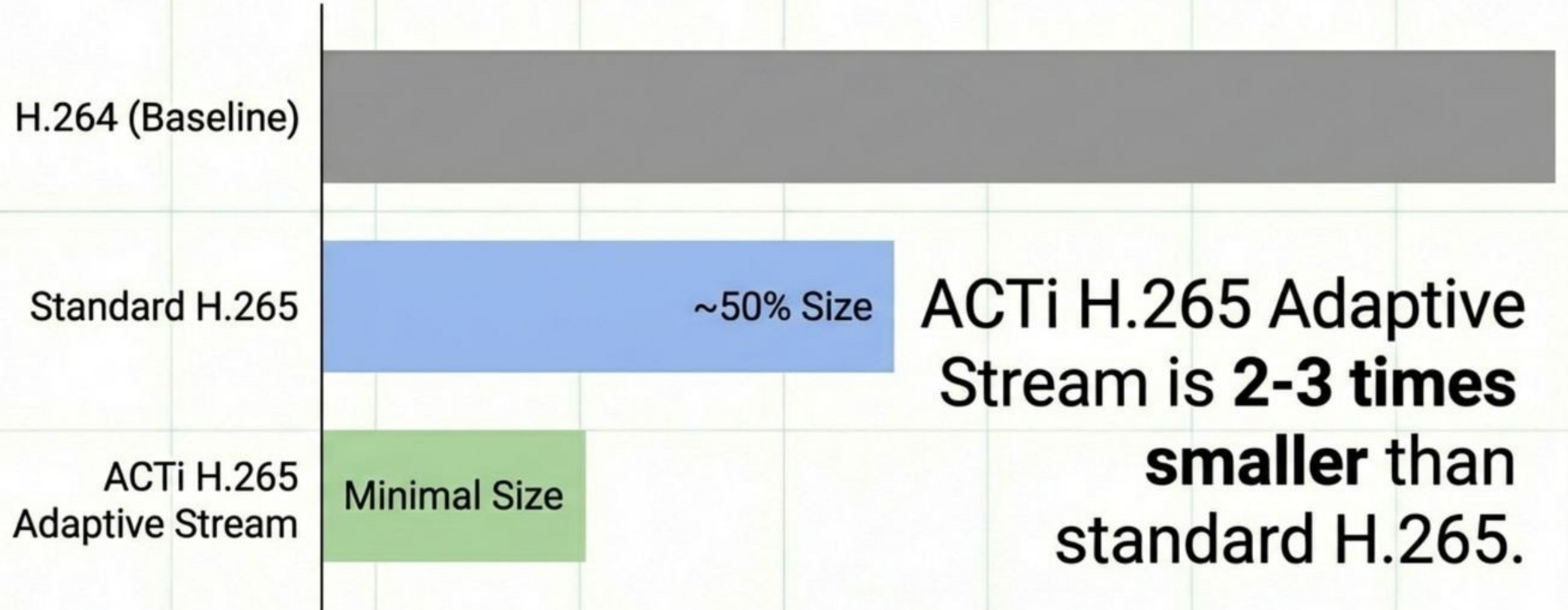


Hemispheric / Fisheye

Model	MP	Features
A711	12MP	Outdoor, 360 View
A912	5MP	Indoor, Extreme WDR
Q84	20MP	4-Sensor 360 Dome

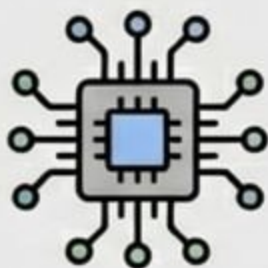
Comparison

Quantifying the efficiency gains.



Summary

Why choose ACTi H.265 Adaptive Stream?



Advanced Long
GOP & ROI-based
compression
algorithms.



Drastic reduction
in ISP bandwidth
costs and NVR
storage
requirements.



Seamless
integration with
ACTi VMS/NVRs
and H.265+
H.265+ support.



Available across
the full range of
ACTi cameras
(Bullet, Dome,
PTZ).

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