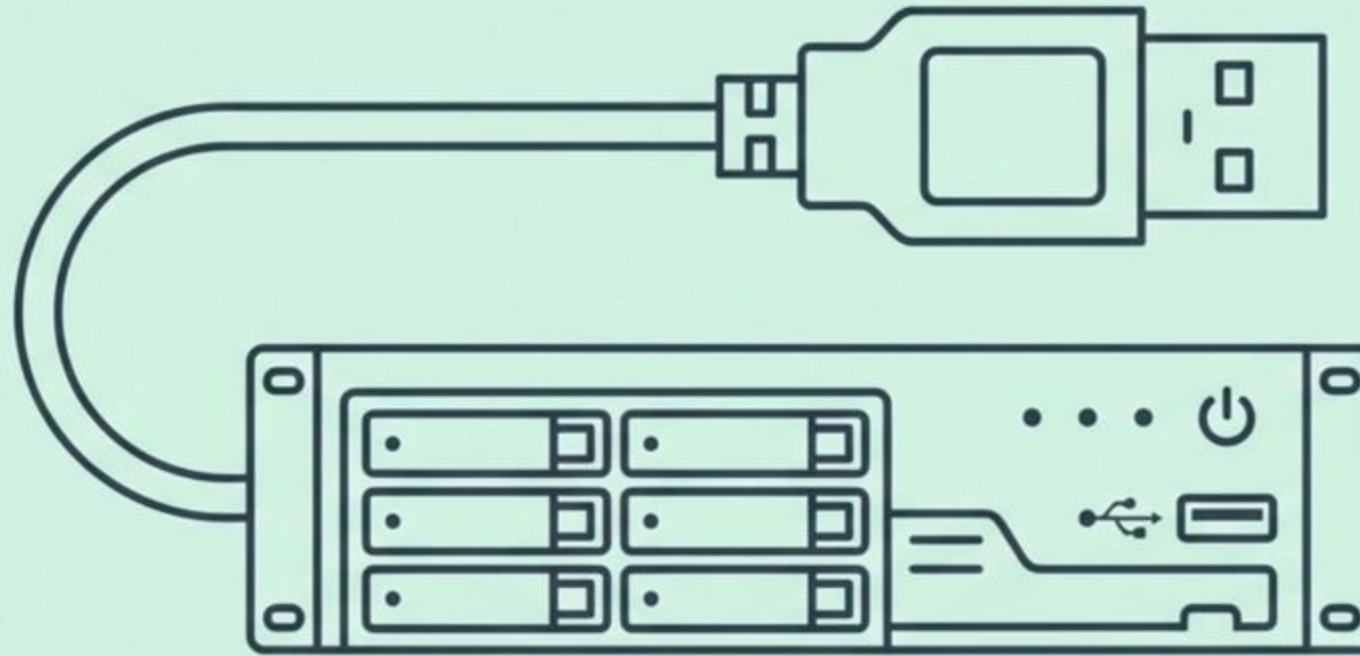


Webcams as Channels

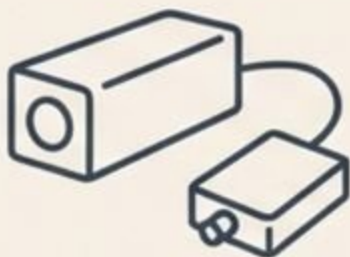


Overview

Understanding Video Channels and Webcams



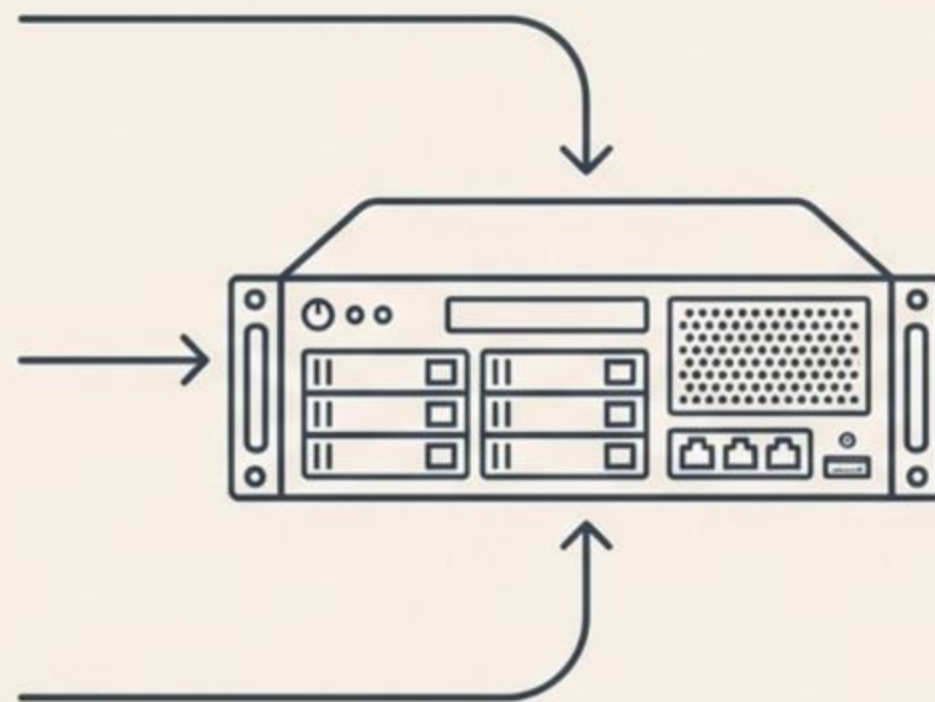
Traditional Channels: Typically, NVRs allocate channels to IP cameras or analog cameras transmitting via IP encoders.



The Modern Addition: ACTi's NVR extends channel allocation to smartphones and USB webcams.



The Mechanics: A webcam plugged directly into the NVR server machine via USB is seamlessly selected as a standardized video channel source. It integrates perfectly into standard NVR layouts, viewing grids, and recording schedules.



Features

Key Capabilities of USB Integration



Direct USB Connection

Connects directly to the NVR via standard USB cable—absolutely no Ethernet connection required.



Zero Network Overhead

Bypasses the need for Local Area Networks (LAN), data switches, or Power over Ethernet (PoE) infrastructure.



Plug-and-Play Setup

Instantly transmits the video stream to the NVR screen upon connection.



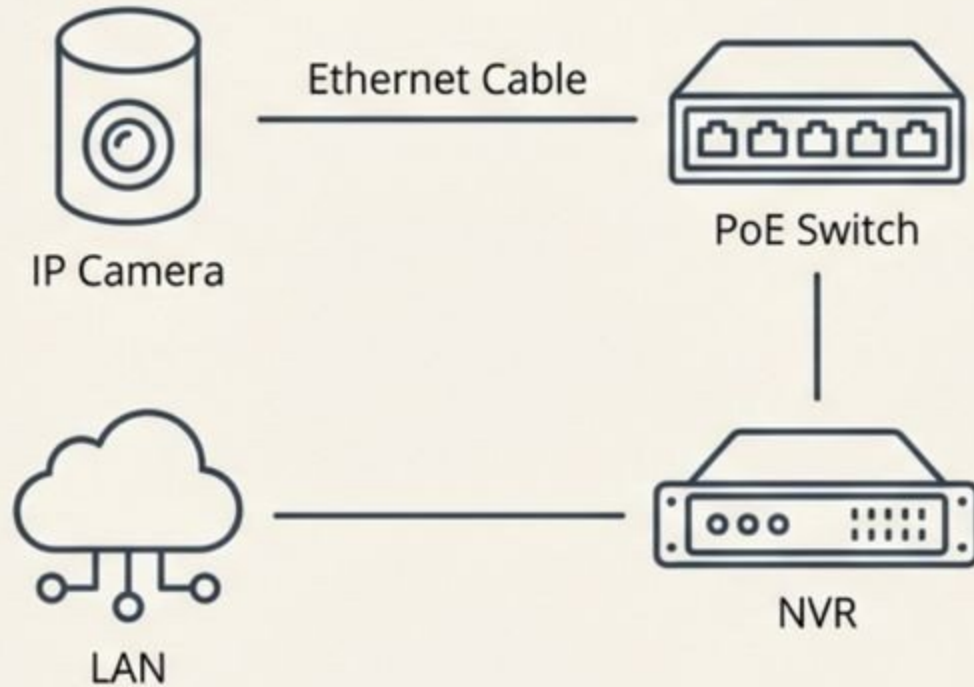
Licensed Integration

Requires standard ACTi channel licensing to unlock full recording and layout management within the NVR ecosystem.

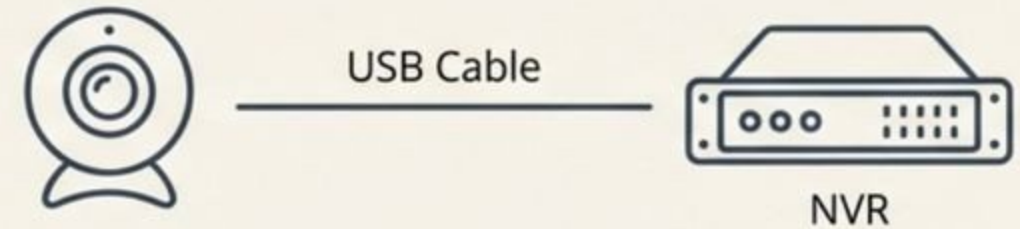
Architectures

Simplified System Topology

Traditional IP Architecture



Direct USB Architecture



Eliminates network switches, PoE requirements, and intermediate LAN routing for localized setups.

Applications

Ideal Deployment Scenarios & Vertical Markets



Security & Control Rooms

Deploy as a highly secure, localized monitoring solution. Monitor the physical control room or server rack directly without looping video traffic back through the wider facility network.



Sales Demonstrations

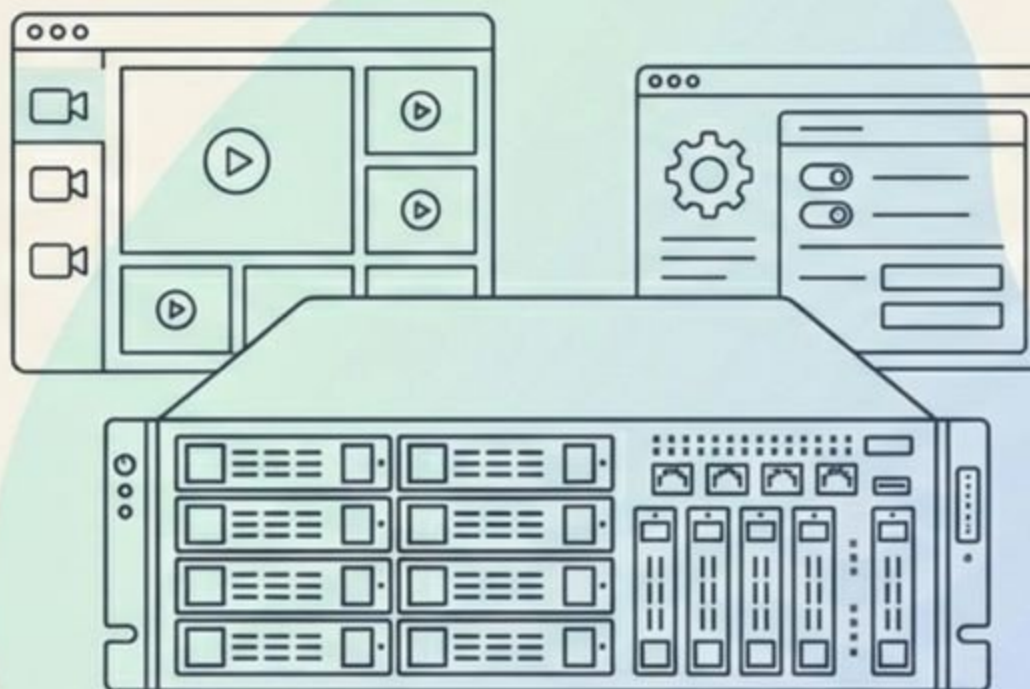
Utilize as a rapid, foolproof demo solution for the NVR server. Prove NVR software capabilities to clients on-site without requiring LAN configuration, local switches, or external power supplies.

Solutions

Powered by NVR 3 Corporate

Software Ecosystem

Fully supported by ACTi NVR 3 Corporate for seamless enterprise integration.



Enterprise Server Capabilities

Built for integration with high-capacity standalone servers (GNR/INR series), supporting scalable enterprise storage, high-availability failover redundancy, and multi-channel synchronization.

Licensing

Requires standard NVR channel licensing, ensuring webcams are treated with the same data integrity and retention policies as high-end IP hardware.

Product Matrix

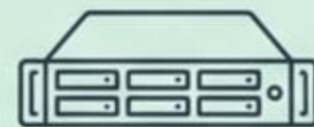
Supported Hardware Ecosystem



Standalone Tower Servers

Models: GNR-350

Differentiator: Ideal for localized, small-to-medium business deployments requiring a compact physical footprint.



Enterprise Rack-mount Servers

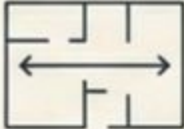
Models: INR-401, INR-406, INR-407, INR-413, INR-415, INR-416, INR-417, INR-418, INR-490, INR-930, INR-960

Differentiator: Engineered for high-density camera counts, multi-bay storage arrays, and enterprise redundancy.

Software Foundation: All hardware platforms listed are united by the NVR 3 Corporate software architecture.

Comparison

Traditional IP Camera vs. USB Webcam Channel

	Traditional IP Camera	USB Webcam
Connection Type	Ethernet (RJ45) 	Direct USB 
Power Source	PoE Switch or Injector 	USB Bus Power (Direct from Server) 
Infrastructure Required	Network Switch, LAN 	None (Plug-and-Play) 
Ideal Range / Use Case	Up to 100m (Standard Facility Wide) 	Localized (Server Room / Desk) 

Summary

Streamlining Local Video Capture



Lower Installation Friction

Achieve immediate local video capture without the labor, cabling, or hardware costs associated with traditional network topology.

Seamless Management

Webcams act as native channels within NVR 3, ensuring unified layout management and reliable local recording.

Foolproof Demonstrations

Empower sales teams to showcase NVR capabilities instantly in any environment with zero network dependency.

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