

The background features a series of overlapping circles in light blue, green, and purple. In the center, there is a faint icon of a padlock with a key inserted into it.

Customizable Permissions

Overview

Bridging Video Surveillance and Enterprise IT Best Practices



The Problem with “Admin vs. Viewer”

- Over-privileged users increase insider threat exposure
- Accidental system misconfiguration by non-IT staff
- Compliance violations due to unrestricted access to video evidence
- Operational inefficiencies when permissions cannot be tailored by role



The Modern VMS Solution

ACTi NVR 3 introduces multi-layered, fine-grained customizable permission control aligned with enterprise IT security best practices. It balances security, operational efficiency, and compliance by assigning the right access to the right users at the right time—without compromising system integrity.

Features

The Core Value of Customizable Permissions



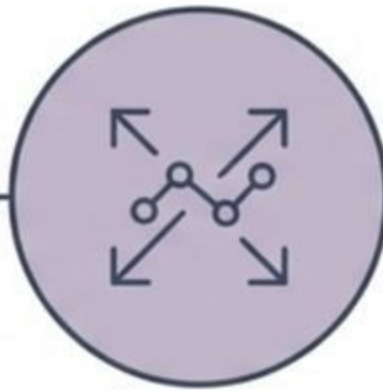
Enhanced Security

Least-privilege access reduces attack surface.



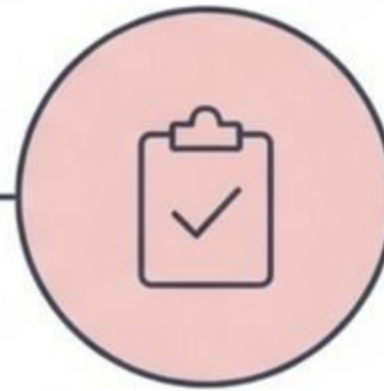
Operational Efficiency

Users see only what they need.



Scalability

Suitable for single-site to nationwide deployments.



Compliance Readiness

Supports internal audits and regulatory requirements.

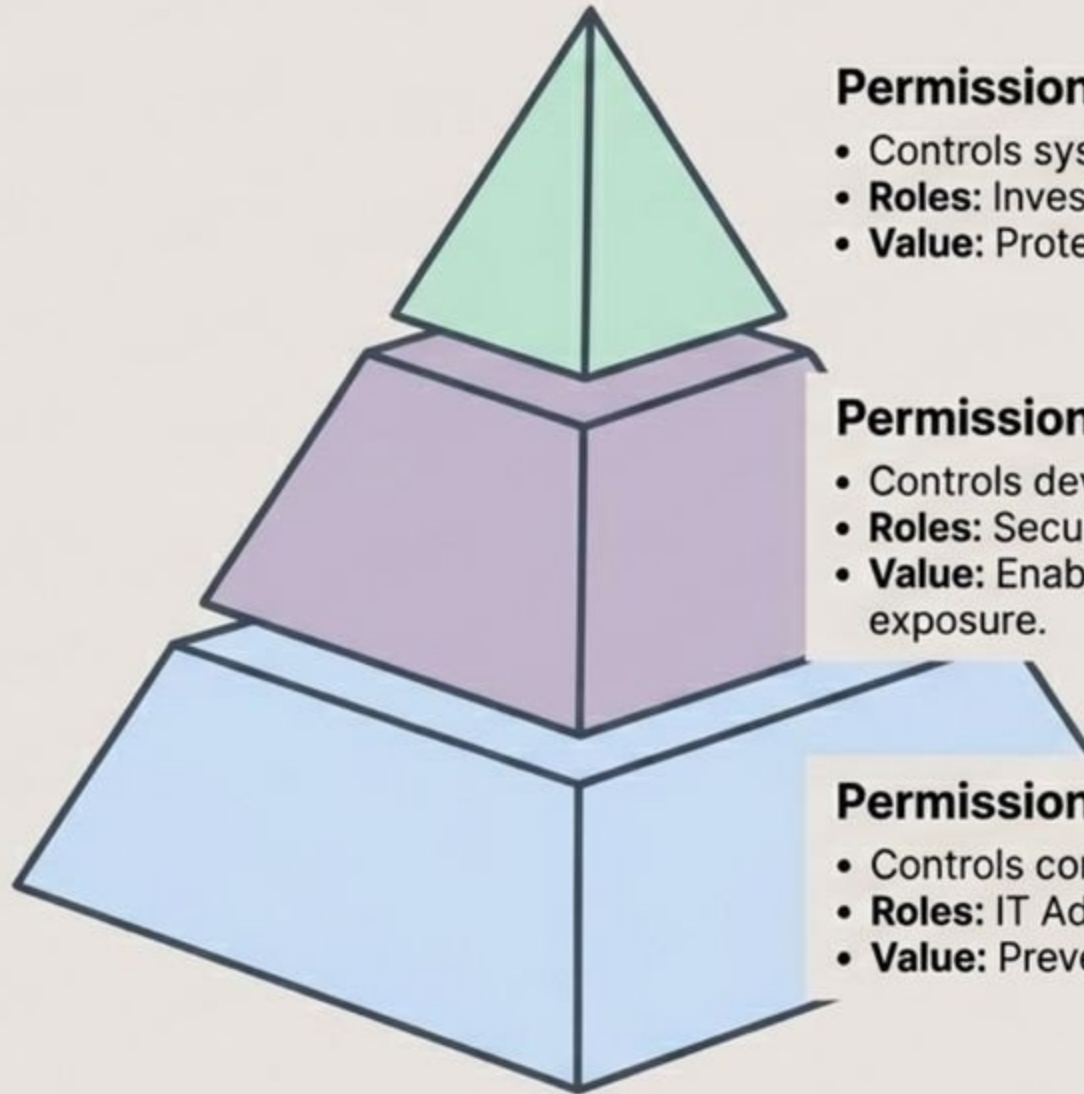


Reduced Human Error

Clear separation of duties.

Architectures

3-Layer Role-Based Access Control (RBAC) Model



Permission Layer 3: Operation & Feature-Level Permissions

- Controls system actions (PTZ, export, AI analytics, event search).
- **Roles:** Investigators, Supervisors, Compliance Officers.
- **Value:** Protects evidentiary integrity and supports chain-of-custody.

Permission Layer 2: Device & Resource-Level Permissions

- Controls device access (camera groups, channel visibility, playback).
- **Roles:** Security Operators, Control Room Staff.
- **Value:** Enables multi-site deployments safely without cross-site data exposure.

Permission Layer 1: System-Level Permissions

- Controls core admin functions (network, storage, firmware).
- **Roles:** IT Admin, Integrators, Service Personnel.
- **Value:** Prevents unauthorized system changes and misconfigurations.

Applications

Vertical Market Scenarios



Scenario 1: Large Transportation Hub

- IT Admin: Full system-level permissions.
- Control Room Operator: Live view + PTZ only for assigned terminals.
- Investigator: Playback and export access (no system changes).

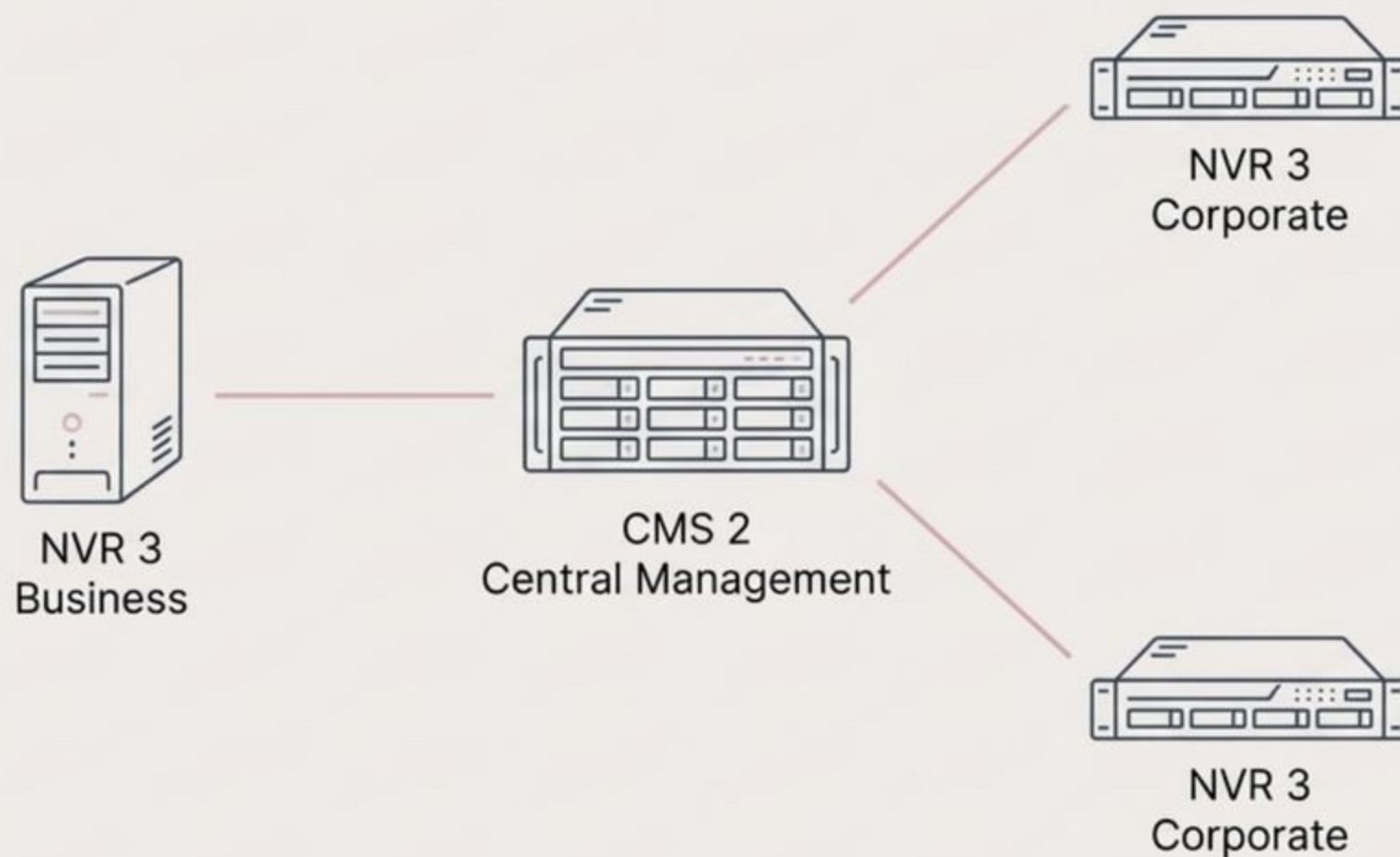


Scenario 2: Critical Infrastructure Facility

- Security Manager: Alarm handling + AI analytics review.
- External Auditor: Playback view-only (no export).
- Maintenance Contractor: Limited device diagnostics access.

Solutions

The Ecosystem Driving Role-Based Permissions



- **Seamless Integration:** ACTi NVR 3 deeply integrates with CMS 2 to distribute the 3-layer RBAC architecture.
- **Multi-Site Capacity:** As standalone recording and management servers, they offer massive capacity for distributed, multi-site deployments.
- **Uninterrupted Security:** Built-in redundancy features ensure that strict role-based permission architectures remain online and enforced, even during network interruptions.

Product Introduction

Product Matrix

Product Type: NVR / Server

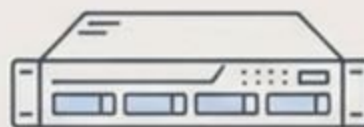


CMS 2

Central Management Server.

Differentiator:

Unlimited multi-site, multi-NVR overarching permission governance.



NVR 3 Corporate

Enterprise-grade standalone recording server.

Differentiator:

High channel capacity with full 3-layer RBAC integration for complex, multi-department facilities.



NVR 3 Business

Mid-scale standalone recording server.

Differentiator:

Streamlined permission architectures optimized for single-site or localized deployments.

Product Introduction

Comparison

CMS 2	NVR 3 Corporate	NVR 3 Business
Focuses on centralized permission deployment across distributed networks; ideal for control rooms managing multiple NVRs.	Focuses on massive localized recording; features the most granular layer 2 and layer 3 resource permissions for large user bases.	Focuses on essential recording and access control; ideal for smaller user bases needing strict layer 1 system protection.
Multi-site / Global	Large Single-site / Multi-department	Small to Mid-scale Localized

Summary

Secure, Compliant, and Operationally Efficient



- ACTi NVR 3's three-layer customizable permission framework provides a robust, flexible, and future-proof access control model.
- It successfully combines system-level governance, resource-level segmentation, and action-level control.
- Empowers enterprises to deploy surveillance systems that are powerful, secure, and fully compliant with modern IT policies.

Contact Us



Website:

www.acti.com



Email:

sales@acti.com



Phone:

+886-2-2656-2588 /
+1-866-410-ACTi (2284)



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