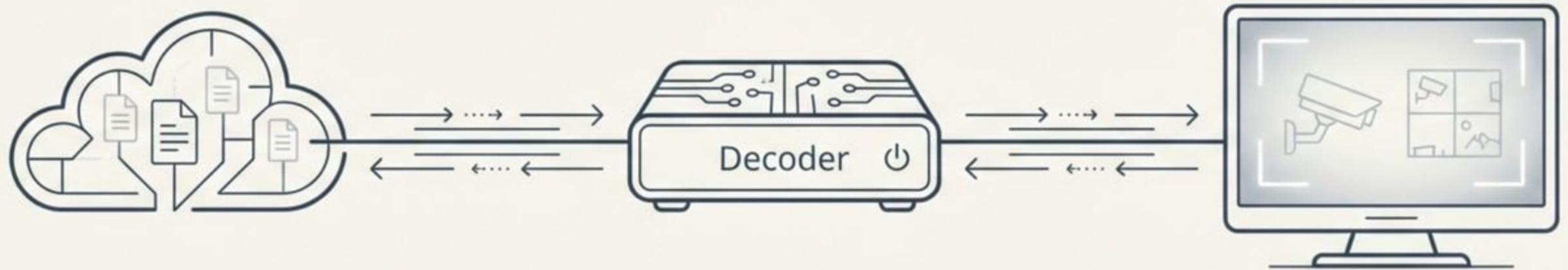


Decoders | ACTi Corporation

Video decoders for IP surveillance - reliable decoders up to 4K to display live monitoring on any screen.



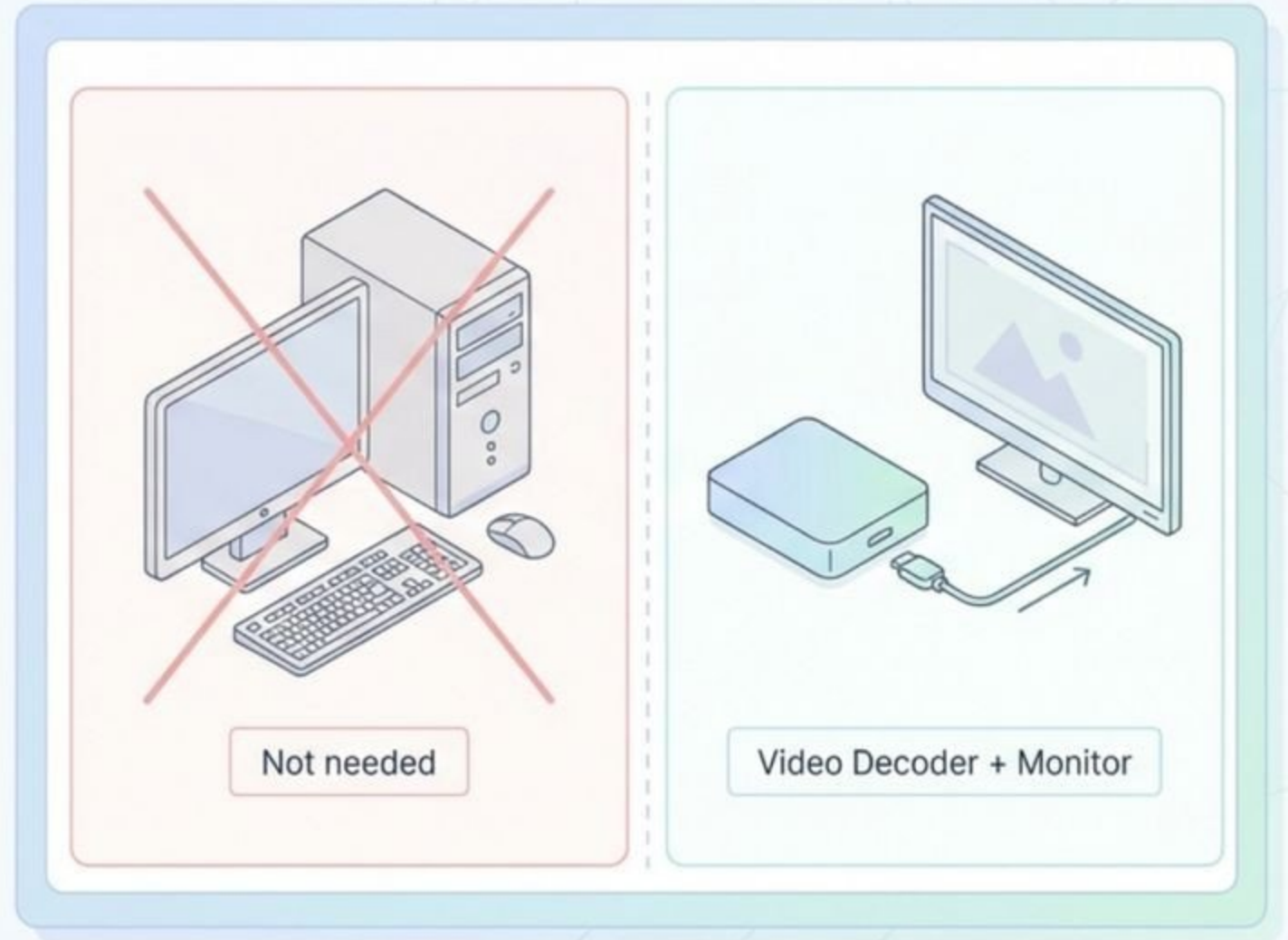
Overview

A video decoder converts digital streams from cameras or encoders within an IP network into video and audio signals viewable on HDMI or coaxial-connected screens.

The PC-Free Advantage: Unlike NVRs or PC stations, the video decoder offloads processing, avoiding the need for additional computing power or video output ports.

Simplicity: Enables simple static live view monitors without keyboards or mice.

Deployment: Ideal for wall-mounted displays, desk displays, retail TV panels, and digital signage.

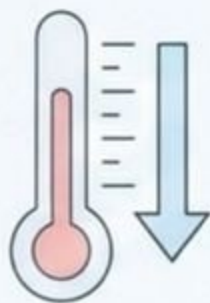


Features

Hero Feature



**Supported HDMI
Screens up to 4K**



**Extended
Operating
Temperature
-34°C ~70°C**



**Secure
Transmission
with HTTPs**

Video Capabilities

-  Video Streams Resolution up to 4K
-  Full Frame Rate Supported
-  Digital Inputs and Outputs for Devices Integration

Audio & Connectivity

-  Two-Way Audio
-  ONVIF Compliant
-  API and SDK for System Integration

System & Mounting

-  HDMI and BNC Outputs
-  Up to 16 Concurrent Channels
-  Surface, Pole, VESA Mount Options

Architectures

Small Scale

Direct connection for temporary locations or simple screening (e.g., thermal fever screening). Recorder may not be needed.



Middle Scale

Standard surveillance setup. Video streams go from NVR to Decoder for display.



Large Scale

Enterprise integration. Decoders work with CMS, TV Walls, and NVRs as part of a complex architecture.



Applications



Hospital: Service Desk Monitor

Nurses and receptionists monitor activity in lobbies, corridors, and wards. Provides a hands-free view of critical locations on a wall-mounted screen.



Airport: Security Inspection Monitor

Security officers get a hands-free overview of the inspection zone and queue area while busy with physical inspections.

Also used as public display monitors in luggage processing areas to ensure transparency.

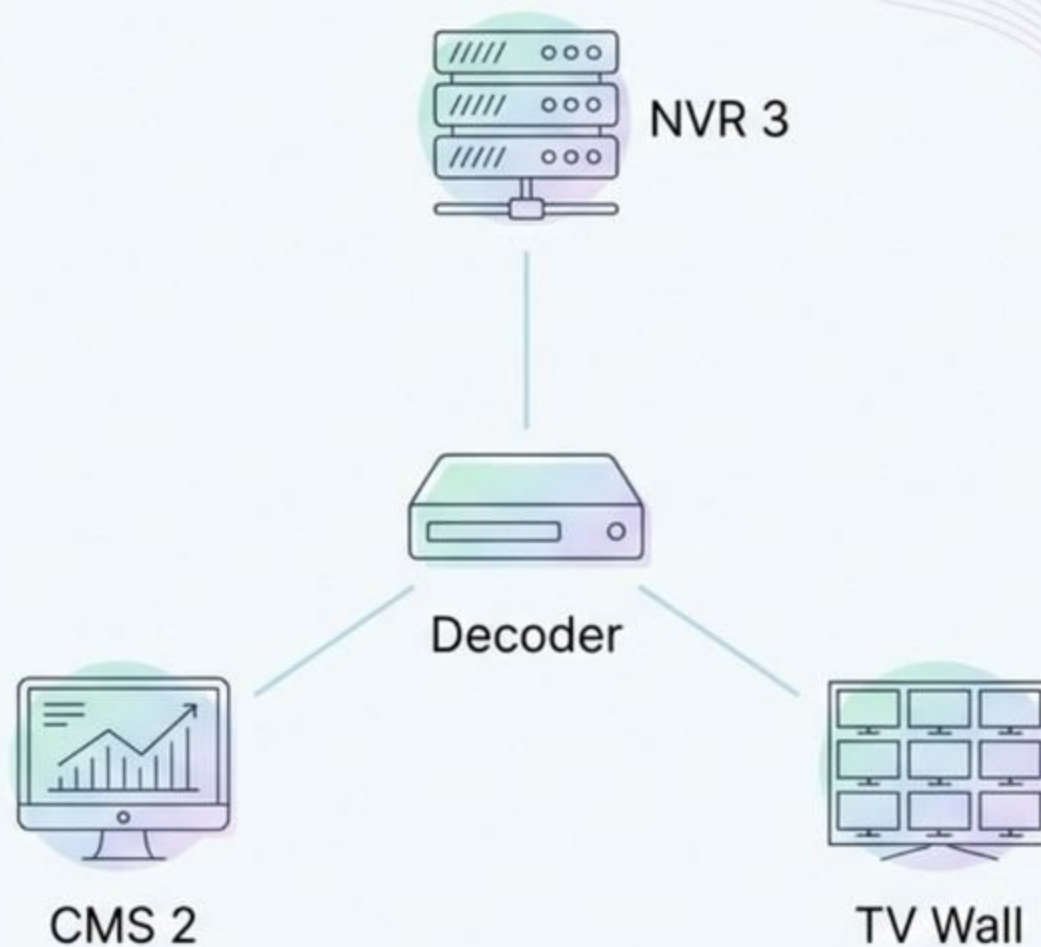
Solutions

Software Integration

- Seamlessly compatible with NVR 3 servers.
- Integrates with CMS 2 (Central Management System).
- Functions as a component of TV Wall systems.

System Resilience

- Direct Streaming: Capable of receiving video directly from IP cameras (up to 16 channels) even if the NVR is unavailable.
- Output Versatility: Supports HDMI for modern displays and BNC for legacy coaxial connections.



Product Introduction

Product Matrix

30 fps @ 1080p (16 Channels)



- Model: ECD-1100
- Model: ECD-1100T (Wide Temp)

30 fps @ 4K (16 Channels)



- Model: ECD-200

Product Introduction

Comparison

Model	ECD-1100	ECD-1100T	ECD-200
Max Resolution	30 fps @ 1080p	30 fps @ 1080p	30 fps @ 4K
Compression	H.264	H.264	H.265, H.264
Power Source	DC 12V, PoE	DC 12V, PoE	DC 12V
Operating Temperature	0°C ~ 50°C	-34°C ~ 70°C	0°C ~ 40°C
Mounting	Surface, Pole, VESA	Surface, Pole, VESA	Surface, Pole, VESA
Storage	External USB	External USB	2.5" SATA, MicroSDXC

Summary



Cost-Efficiency

Replace expensive PCs with dedicated decoders for live view monitoring.



High Performance

Support for up to 4K resolution and H.265 compression (ECD-200).



Environmentally Robust

Specialized models available for extreme temperatures ranging from -34°C to 70°C (ECD-1100T).



Flexible Deployment

Supports Small, Medium, and Enterprise (CMS/TV Wall) architectures with VESA and pole mount options.

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