SMART GPU
WITH AI CAMERA

Understanding CCTV with DVR

CCTV (Closed-Circuit Television) cameras with DVR (Digital Video Recorder) are a popular surveillance solution for homes. Here's how they work:

Camera Recording

The CCTV camera captures video footage from its designated area, either continuously or based on motion detection.
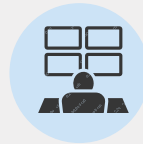
Signal Transmission

The captured footage is sent to the DVR through wired or wireless connections.

Video Processing & Storage

The DVR processes the incoming video and stores it on a hard drive for later review. DVRs often come with features like time-stamping, playback controls, and backup options.

Live Monitoring

DVRs can be connected to monitors, TVs, or even mobile devices for real-time viewing.

Benefits for Home Use

- Enhanced Security: Acts as a deterrent for intruders and helps monitor entry points, interiors, or outdoor spaces.

- Post-Incident Analysis: Provides recorded evidence of events, making it useful for investigating theft, vandalism, or other incidents.

- Remote Access: Many DVR systems now offer apps for live streaming or reviewing footage remotely via smartphones or tablets.

- Safety Monitoring: Ideal for keeping an eye on children, elderly family members, or pets when you're away.

Cons for NVR

- Scalability Limitations: Fixed number of camera connections; requires hardware upgrades for expansion.

- Centralized Failure Risk: Single point of failure can disrupt the entire surveillance system.

- Lack of Real-Time Analytics: Limited or no support for AI-driven real-time insights.

- Limited Remote Access: Often lacks robust cloud integration for flexible monitoring.

TRADITIONAL TECHNOLOGY

Without AI

Recorded Footage

Manually Reviewed by Security

Delayed Action if Issue Identified

Poe Switch

IP Dome Cameras

IP Bullet Cameras

Router

NVR

Monitor

TRINAI

Monitor

Mobile

Alexa

Google Mini

With AI

No Manual Intervention

Analyzed in Real Time

Computer Vision Identifies Therats

Instant Alert Sent to secuirty Team

ADVANCED TECHNOLOGY

Smart GPU with TRINAI Camera:

Brihaspathi is revolutionizing surveillance technology by integrating advanced AI-driven features into its Smart GPU with the TRINAI Camera. This innovative system leverages cutting-edge software R&D to provide unparalleled monitoring capabilities, making it an indispensable tool for modern security needs.

Key Features and Benefits

Real-Time Object Detection

Identifies and classifies entities such as people, vehicles, animals, and more in real time, enhancing situational awareness.

Intrusion Detection

Monitors for unauthorized entries with precision, ensuring prompt alerts for potential threats.

Monitoring Free Physical Space

Assesses and monitors available space, aiding in logistics and the efficient movement of materials.

Face Recognition

Provides accurate identification, improving security and access control measures.

Fall Detection

Ensures safety by identifying falls and triggering immediate notifications, particularly valuable in elderly care and workplace environments.

Automatic Number Plate Recognition (ANPR)

Identifies and logs vehicle number plates, ideal for parking management and law enforcement.

On-Demand Mobile Streaming

Enables live or recorded footage to be accessed anytime, anywhere, via compatible mobile applications or web interfaces.

Smart Alerts

Offers robust alerting mechanisms with real-time notifications for detected events, ensuring swift responses.

Over-The-Air Updates

Keeps the system up-to-date with the latest features and improvements through seamless, remote updates.

TRINAI Camera with AI Features

IP66 Metal Housing
Durable weatherproof

Main Board
Chipset

IR- Cut Filter
Crisper & Clearer

Infra Red Led
Up to 100ft night vision

960H
High Resolution IC

3.6 mm Lens
See wider angles

TRINAI

Glass Cover
Not fear of rain, dust or fog

Power Port

Data + Power (POE)

- High Precision: AI-powered for accurate and efficient detection.
- Versatile Applications: Suitable for residential, commercial, and industrial use cases.
- User-Friendly Integration: Accessible via mobile platforms and supports customizable alerts.

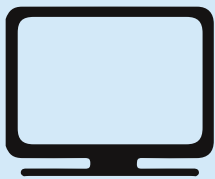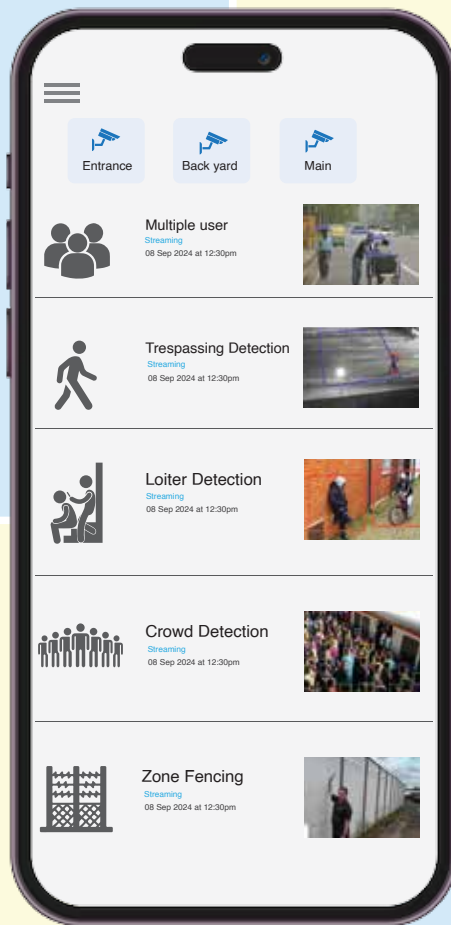| Multiple user | Crowd Detection | Loiter Detection | Trespassing Detection | Zone Fencing |

Convenience and Versatility:

Monitor: For real-time viewing and managing surveillance footage on a larger screen.

Mobile: Through compatible apps or web interfaces, you can access live or recorded footage remotely, anytime, anywhere.

Alexa & Google Mini: Integration with voice assistants allows you to control or get updates via simple voice commands, making it even easier to manage your security system without needing to interact with a screen.

This multi-platform access ensures a seamless user experience, whether at home, on the go, or through voice-enabled devices.

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