Border Collie iNVR

SOLUTIONS

KEDACOM

BE
DIFFERENT

Market Research

VMS · NVR
QUTNTITY

VMS · NVR
PROFIT
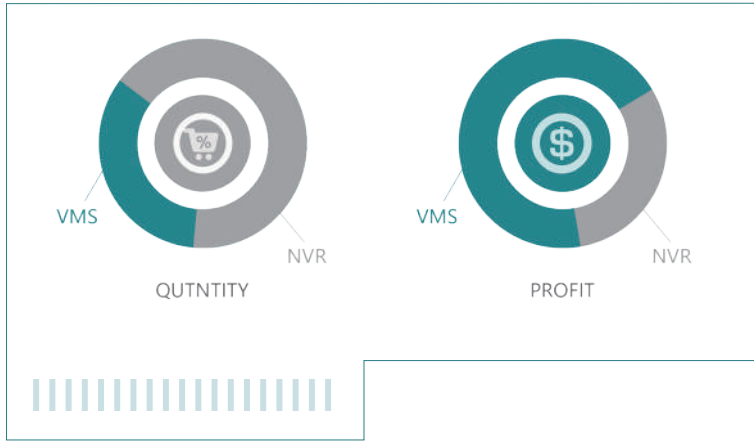
Competitive Analysis

NVR

- In a serious homogenization of competition
- Low return
- Not suitable for more than two-monitor scenarios
- Plug-and-play

VMS

- Superior quality, higher profits
- High initial costs
- Support multi-monitor surveillance
- Complex installation

Market Positioning Analysis

A better understanding of customer needs is the key to thrive business.

As the chart shown, in general, VMS system fits best for sophisticated market, and NVR focuses on family and small businesses. For small and medium sized business owners, VMS system is over budget and too complicated to install, whilst NVR is not enough to fulfill their management needs. Thus, they have very little options over surveillance systems.
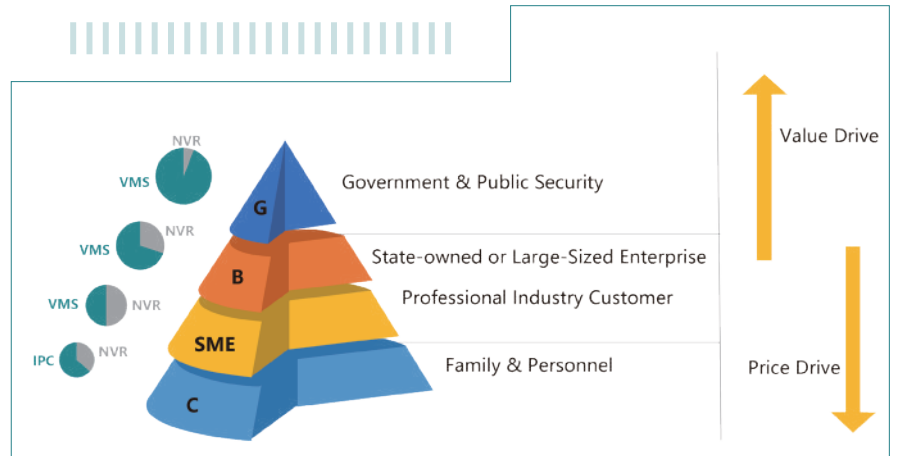
KEDACOM Border Collie iNVR

KEDACOM believes that high quality and low costs can be achieved together. To better meet customer expectations, KEDACOM strives to offer the best combination of price, quality, reliability, service of products and solutions.

KEY Requirements

- Reasonable Price
- Multiple Service and Added Values
- Customized Business Application
- Reliable and Rapid Deployment

System Overview

KEDACOM Border Collie iNVR is powered by advanced AI technology and it redefines the application of NVR to a whole new level. With a reasonable cost, users can enjoy a similar experience to a VMS system. It will be your all-in-one solution in a single device.

Hardware Design

All-in-One Industrial Design

Besides common functions of NVRs, KEDACOM Border Collie iNVR combines storage and intelligence to fulfill security and management needs. Its outstanding industrial design supports hot swapping. In addition, embedded with Intel X86 structure, the system can guarantee a powerful and reliable operation to its users.

All-in-One Industry Design — Storage and Intelligence

Intel Inside, Embedded X86 — Powerful and Efficient

Advanced Global Algorithm

>99.9% Face capture rate

200,000,000 Practical Deep-Learning Training Database

>98% Face Recognition Accuracy

1 → N Human silhouette and back capture, multiple angles identification

## AI Engine

Advanced Global Algorithm

Embedded with Kedacom advanced algorithm, this outstanding iNVR assures 99.9% accuracy for human capture and 98% accuracy for face recognition. It also works well for multiple angles identification including profile, frontal, 45 degree and more, to ensure the most accurate matching results. It especially performs better in actual practice.

Recently, Kedacom's artificial intelligence algorithm has been ranked among top 10 major players in the surveillance industry around the world, according to National Institute of Standards and Technology (NIST).

KEDACOM Border Collie iNVR supports human silhouette and back capture, users can set up a linkage with human detection for accurate comparison results and precise target locating.

Besides, it also supports vehicle license plate capture and recognition. This function is great for vehicle access control and parking lot management.

Human Silhouette

Face ID

Vehicle Plate Recognition

Data Statistics
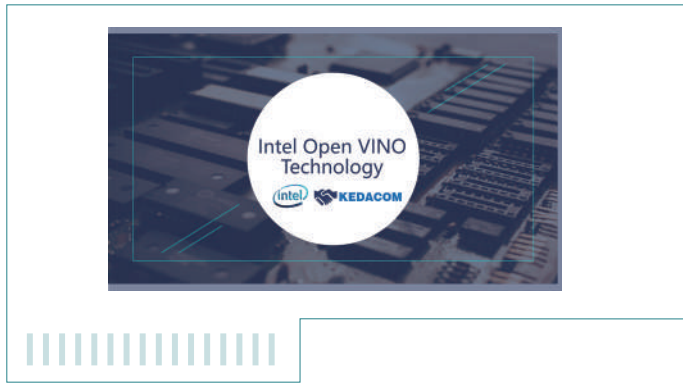
Intel Open VINO Technology

As KEDACOM cooperates closely with Intel, Open VINO Technology assures our deep learning algorithm that maximizes its efficiency on the Intel platform, and delivers greater performance under the same hardware conditions.

Full-closed-loop Solution

AI Powered front-end devices

AI NVR

Unified CMS

Creative Interactwhod

Unified Multitask Dashboard
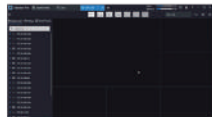
» **18 different types of view components**
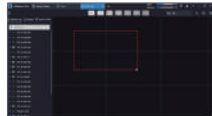
To deliver an exceptional customer experience, this iNVR provides a highly customizable dashboard that contains more than 18 graph and chart widgets to visualize the data, including face and vehicle detection alarm, access control, alarm linkage, E-map etc.

LPR | Fisheye Heatmap | E-Map Alarm popup

Statistic Visualization | Realtime recognition | Live Capture
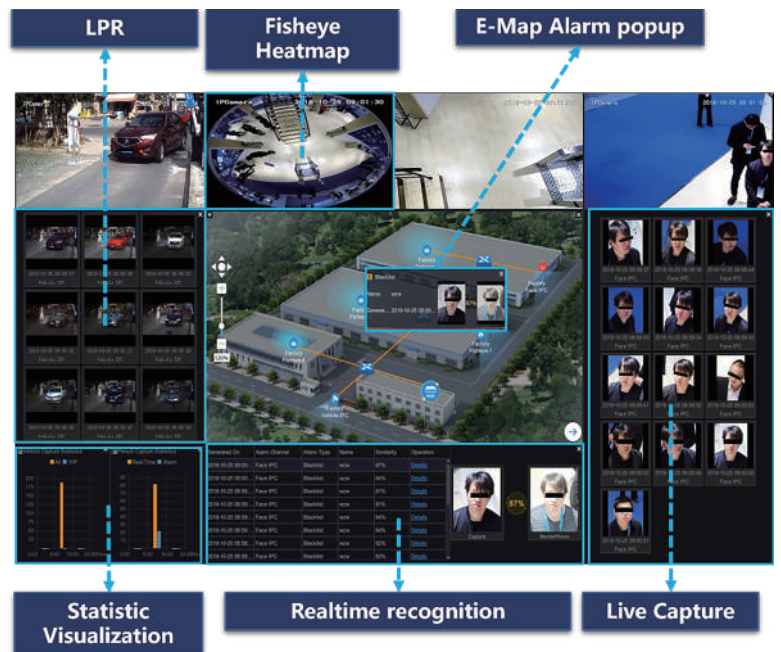
» **Customize Your Own Interface**

Users are able to select the modules that they need, and organize the dashboard items into functional views that suit their business needs in just 3 steps.

STEP 1 — Select the basic layout

STEP 2 — DIY your own grid

STEP 3 — Drag preferred information into the grid

KEDACOM vSee Pro App

Simply download KEDACOM vSee Pro App on your smartphone, you can receive and manage instant notifications such as real-time alarm push, face detection and comparison result anytime from any locations. This outstanding platform provides live feeds, as well as the ability to revisit recorded footages all at your fingertips.

Value-added Module

Area People Counting & Heatmap designed for customer flow analysis

Time-Attendance management embedded in NVR

Face ID based Access Control integrated with liveness detection technology

ANPR for Entrance&Exit

Scenario-based Solutions

Bank

» **VIP customer identification**
» **Premises safety**

VIP customers or unwelcome guests can be identified upon their arrivals, and the system will push a notification to notify premier service manager immediately. Additionally it keeps an eye on the premises and alert the security team when human intrusion is detected.

Casino

» **VIP customer identification**
» **Unwelcome guest early warning**

The early notification function can also be applied to unwelcome players in casino. As soon as the player steps into the monitored area, the system will alert the security department immediately. It greatly improves the work efficiency of casino surveillance management, and at the same time, reduces the use of manpower.
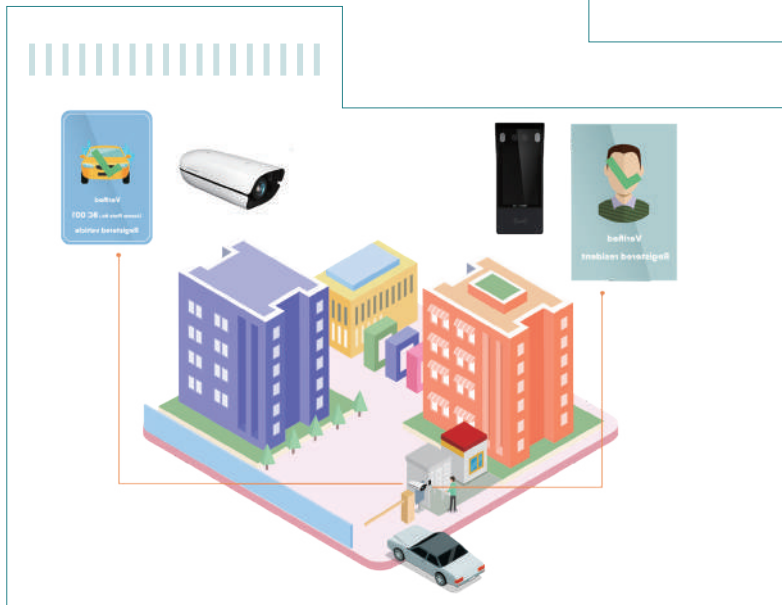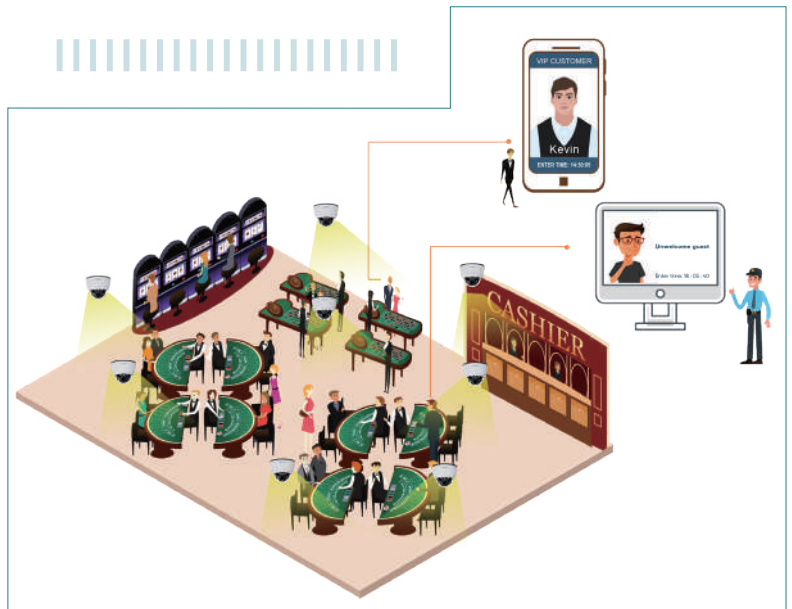
Residential community

» **Resident control**
» **Vehicle LPR management**

Connecting along with our face recognition terminal and vehicle recognition cameras, the system can guarantee a quick access at the community entrance gate. Its video intercom function allows property owner or manager to gain a reliable visual control of visitors remotely.

Strengthen user authentication, the system also supports multifactor authentication. Besides face recognition, the other factor could be a PIN code or a card.

Retail

» **Visitor counting**
» **Unwelcome customer identification**

Retailers can retrieve the recorded video footages to spot shoplifter or suspicious customer and blacklist them. An alarm will be triggered immediately when the suspect shows up at any of the chain stores again.

The system can count the number of customers entering or exiting the store or a specific area. Thus, with sufficient information, retailers would be able to analyze customer flow and respond accordingly.
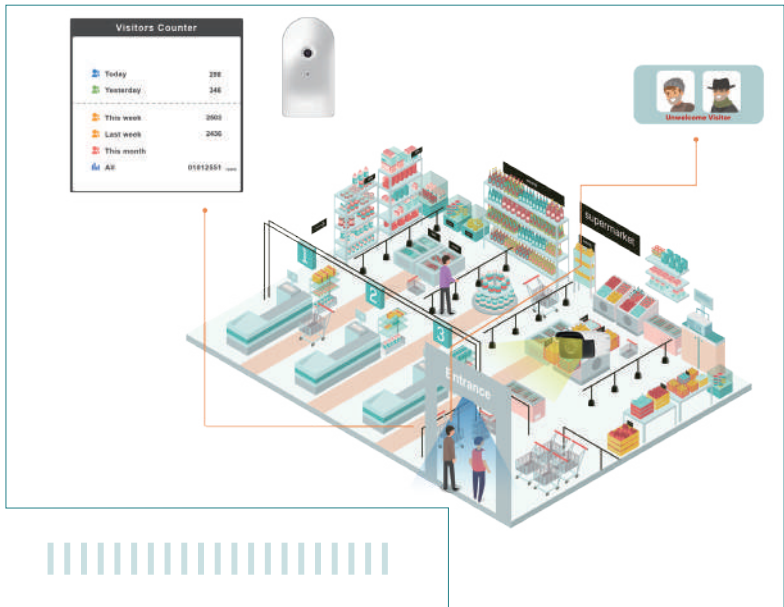
Commercial building

» **Restricted area control**
» **Employee attendance tracking**

Install KEDACOM face recognition terminal at different departments to prevent unauthorized access at restricted areas. Also, the system can lighten HR burden for taking great care of employees' time attendance with just a single application.

Featured Products

NVR2821 and NVR2881 series

- Support maximum 32ch recognitive cameras access
- White/Black List supported and up to 50000 face pictures in database
- Face Comparison Result within 3 sec, picture processing up to 30/s
- Face recognition, Fisheye, Access control, ANPR, People counting, Mobile etc.

ANPR

Fisheye

Access Control

CCTV

Border Collie iNVR

Mobile

People Counting

Face Recognition