

# Behavior Analysis Server



## Introduction

Based on the latest intelligent algorithm of deep learning, Behavior Analysis Server with a high-density GPU architecture supports the detection of behavior events in the perimeter, street, densely populated areas, indoor and other places, and triggers alarms in a timely manner, which can effectively improve the security of various places.

## Available Model

- DS-IE1016-03U/BA
- DS-IE1024-03U/BA
- DS-IE1032-03U/BA
- DS-IE1064-03U/BA

## Feature

Behavior Analysis Server can detect the specific behaviors of individuals and groups in the perimeter, street, densely populated areas, indoor and other places, and provide professional video intelligent analysis applications:

- **Perimeter Protection**  
Real-time detection and alarming of events such as line crossing, area intrusion, region entrance/exiting, loitering, parking, unattended baggage or object removal.
- **Trend Analysis**  
Real-time detection and alarming of people density, real-time people counting statistics and people counting statistics.
- **Street Behavior Detection**  
Real-time detection and alarming of events such as fast moving, physical conflict, people gathering or falling down.
- **Indoor Behavior Detection**  
Real-time detection and alarming of events such as getting up, key person getting up, climbing, absence or sleep on duty, abnormal number of people, overstaying, sudden change of sound intensity, regional overstaying, physical conflict, standing up, sitting, or people counting.



## Specification

Model		DS-IE1016-03U/BA	DS-IE1024-03U/BA	DS-IE1032-03U/BA	DS-IE1064-03U/BA
Feature	Perimeter protection	Line crossing, area intrusion, region entrance/exiting, loitering, parking, unattended baggage, and object removal			
	Trend analysis	People density, real-time people counting, and people counting			
	Street behavior detection	Fast moving, physical conflict, people gathering, and falling down			
	Indoor behavior detection	Getting up, key person getting up, climbing, absence or sleep on duty, abnormal number of people, overstaying, sudden change of sound intensity, regional overstaying, physical conflict, standing up, sitting and people counting			
Access performance	Number of channels	Real-time analysis of 16-channel standard H.264 and H.265 bit streams	Real-time analysis of 24-channel standard H.264 and H.265 bit streams	Real-time analysis of 32-channel standard H.264 and H.265 bit streams	Real-time analysis of 64-channel standard H.264 and H.265 bit streams
	Resolution	720 P to 8 MP (1080 P recommended)			
	CPU	Intel® E3 Series CPU × 1			
	Memory	8 GB DDR3			
	Hard disk	Built-in 240 GB SSD × 1			
Interface	Network interface	1000 M self-adaptive network interface × 4			
	USB interface	USB 3.0 interface × 4, USB 2.0 interface × 2			
	VGA interface	1			
	Hard disk Interface	SATA × 1, mini-SATA × 1			
Others	Chassis size	19 inch 1 U standard chassis			
	Power module	Hot-plugged efficient 1+1 redundant power module			
	Rated power	550 W			
	Reference actual power	400 W			
	Working temperature	5 °C to 35° C (41 °F to 95 °F)			
	Storage temperature	-40 °C to 70 °C (-40 °F to 158 °F)			
	Working humidity	10% to 90% (without condensation)			
	Package dimension	439 mm (W) × 591 mm (D) × 44 mm (H) (17.28 × 23.27 × 1.73 inch)			
	Rough weight	11 kg (24.25 lb)			