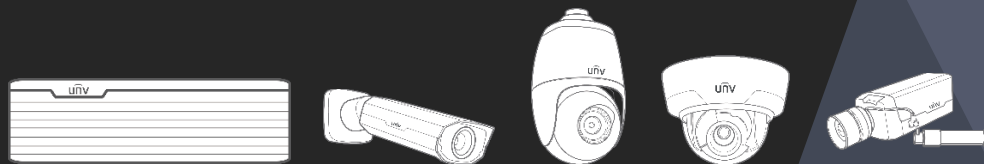




Basic Smart Functions



Contents



Basic Smart Functions Introduction



H.265 series products

Contents



1

Basic Smart Functions Introduction



2

H.265 series products



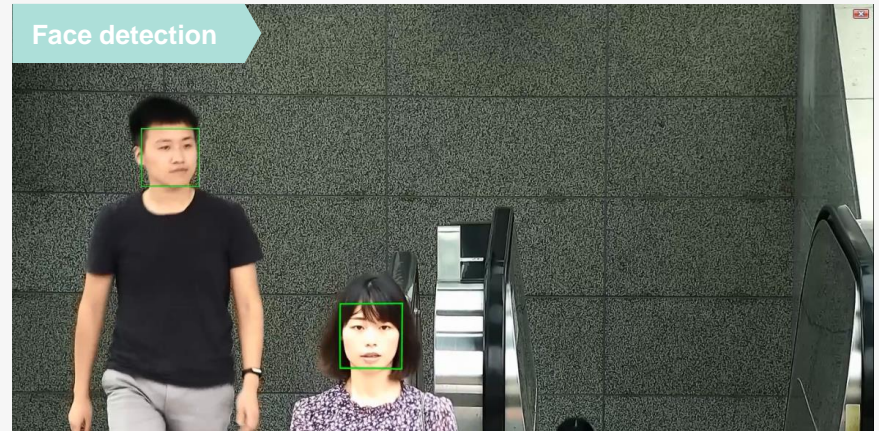
Face Detection

- ✓ **Face Detection** detects people faces and trigger alarms, **Reduce false alarm**
- **Motion Detection** detects all moving objects, including trees or animals



Key Points

- **Trigger condition:**
 - Faces appear in detection area, bigger than indicator (>120 pixels and <360 pixels)
 - Front faces, most details uncovered
- **Specification:**
 - Up to 16 faces can be detected at the same time
- **Application**
 - Entry or Exit, not applicable for crowded place



Attention: Accuracy is highly depending on installation environment



Intrusion Detection

- ✓ **Intrusion Detection** detects objects move into area and stay **beyond configured time**
- **Motion Detection** detects all moving objects only



Key Points

- **Trigger condition:**
 - Objects (>20 pixels) move into area and stays between 1~10s
 - Multi-objects detected: Time priority
- **Specification:**
 - Up to 4 areas
 - Objects stay actionless in the area beyond 80s defined as background, and will be detected if objects moves again
 - Percentage is configurable to filter human or animal
- **Application**
Forbidden area, like campus, warehouse.



Attention: Accuracy is highly depending on installation environment



Crossing line Detection

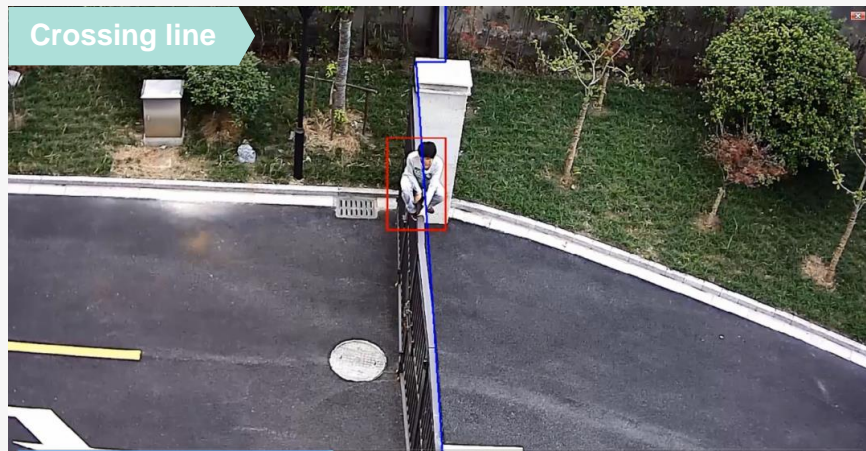
- ✓ **Crossing line Detection** detects moving objects crossing lines **by configurable directions**
- **Motion Detection** detects all moving objects only



Key Points

- **Trigger condition:**
 - Objects (>20 pixels) cross line by configurable direction
 - Multi-objects detected: Time priority
- **Specification:**
 - Up to 4 lines configurable
 - 3 directions optional, forward/reverse/both
- **Application**

Perimeter, campus, not applicable for crowded place



Attention: Accuracy is highly depending on installation environment



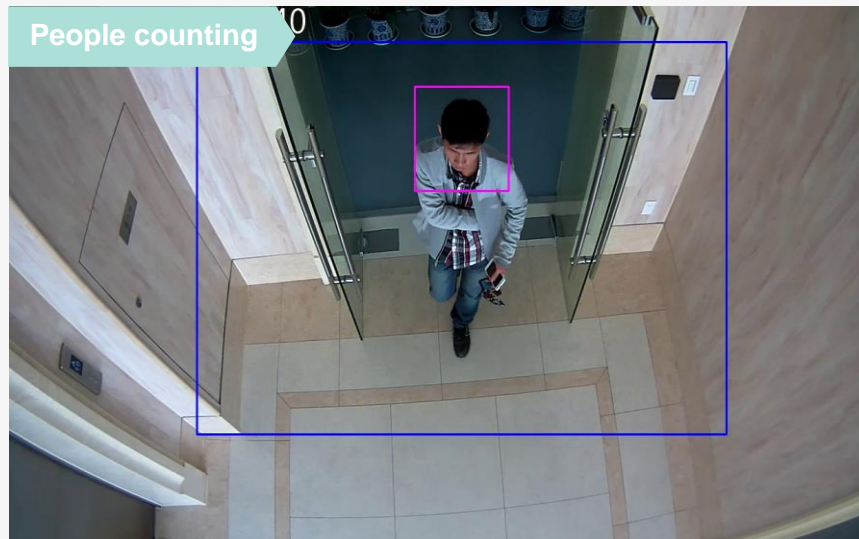
People Counting

✓ **People Counting** counts entry and exit numbers of people



Key Points

- **Trigger condition:**
 - People entry or exit
 - Shoulder width is configurable depending on installation environment
- **Specification:**
 - Objects wider than 2 times of configured shoulder width, will be detected as 2 persons
- **Application**
 - Retail



Attention: Accuracy is highly depending on installation environment

General Solution

Alarm trigger



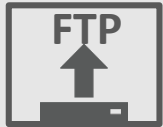
Email



Signal Output



Record



Upload to FTP



Snap shot

- ✓ People counting work independently
- ✓ Face detection/Intrusion/Crossing line can work together, total configuration is up to 8

Recording search

- ✓ Search record by smart event

Face detection



Intrusion



Crossing line



- ✓ Search snap shot for preview

Save storage

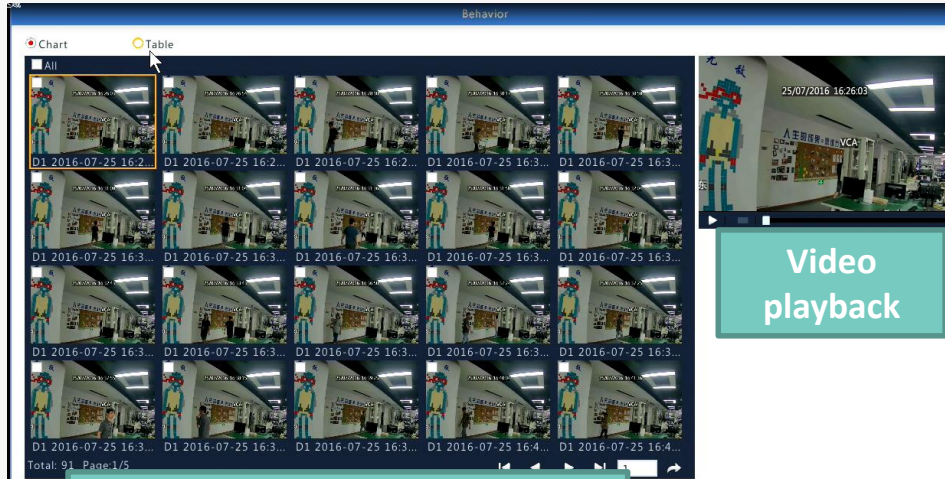
Only record when alarm triggered



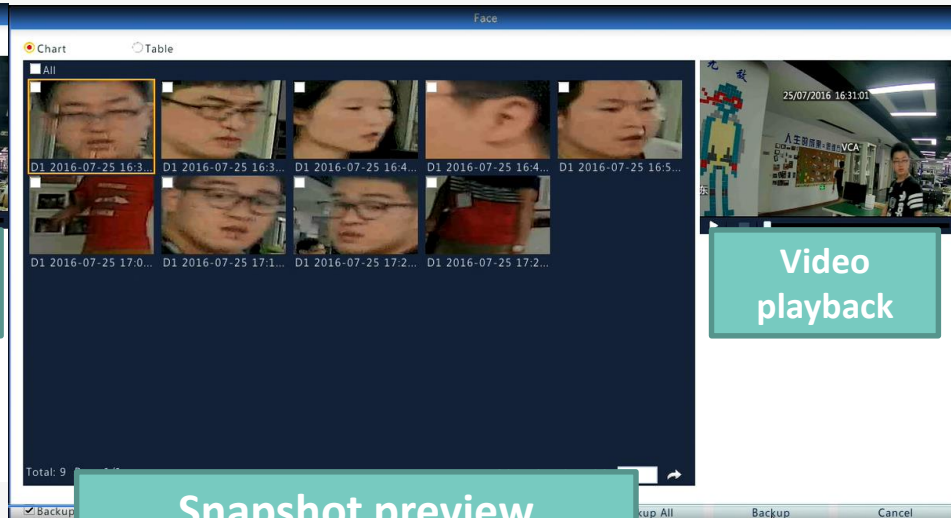
General Solution – Alarm



- ✓ Face Detection/Intrusion Detection/Crossing line can trigger alarms
- ✓ Search snapshot for preview or Search record by smart event on NVR



Snapshot preview

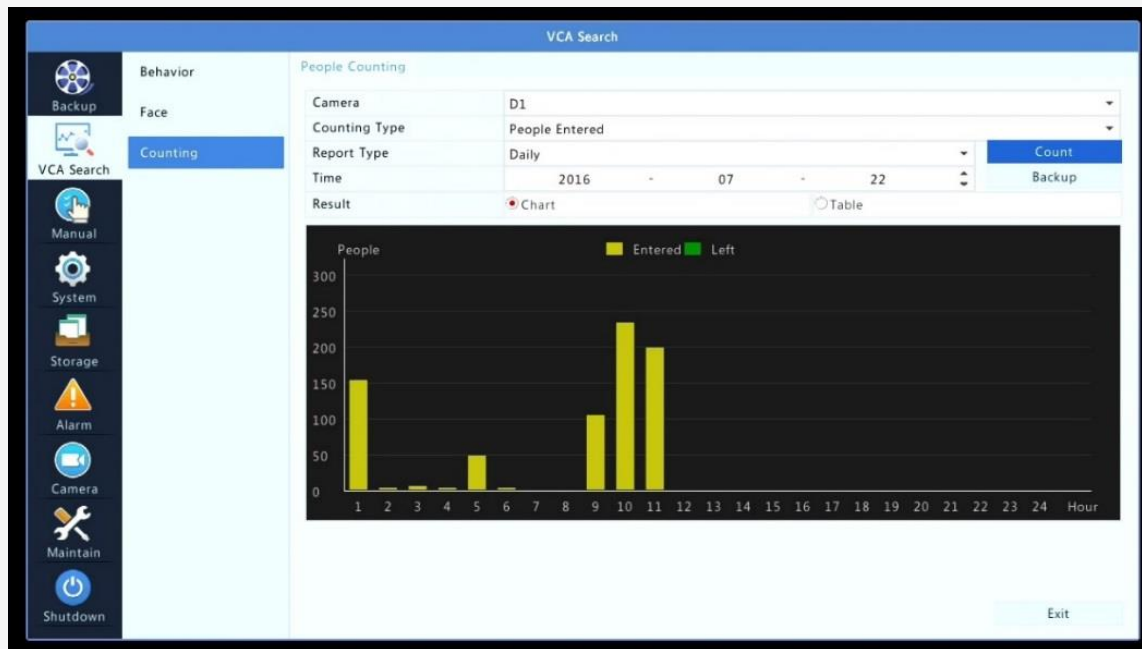


Snapshot preview

General Solution – People Counting



- ✓ People Counting data upload to NVR for statistics by configurable period





Auto Tracking PTZ

✓ **Auto Tracking** detects moving objects and tracks



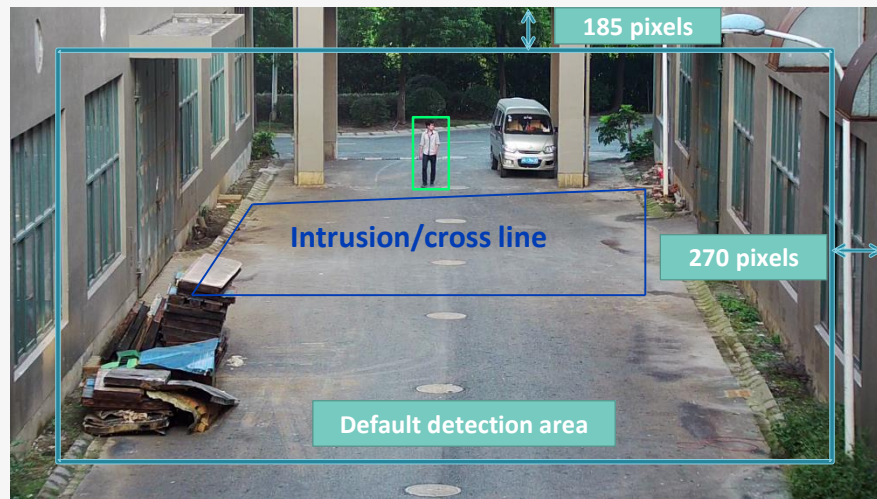
Key Points

➤ Trigger condition/Spec:

1. Object (>43 pixels) moves into default detection area
-- Configurable tracking time 1~300s
2. Intrusion or Crossing line trigger auto tracking
-- Tracking until the object stay in actionless beyond 1s, stop tracking and go back to preset
-- Maximum tracking time is 60s
3. Either condition 1 or 2 happens, trigger auto tracking
4. Track one by one

➤ Application

Power station, only few people appear



Attention: Accuracy is highly depending on installation environment

Contents



1

Basic Smart Functions Introduction

2

H.265 series products

All H.265 Series supports Basic Smart Functions

Fixed dome



IPC324ER/IPC322SR-B
4MP/2MP mini IR dome
IPC322ER3-DUVPF
2MP starlight mini dome



IPC3614SR/3612ER-B
4MP/2MP turret IR dome



IPC314SR
4MP mini IR dome



IPC3234SR-DV
4MP manual VF IR dome



IPC3232ER3-DVZ28
IPC3234SR3-DVZ28
2/4MP motorized IR dome



IPC3232ER3-DUV
IPC3232ER3-DUVZ
2MP starlight IR dome

Bullet



IPC2124SR/2122SR-B
4MP/2MP mini IR bullet



IPC2122SR3-UPF
IPC2222SR5-UPF
2MP starlight IR bullet



IPC2322EBR-DPZ28
IPC2324EBR-DPZ28
2/4MP motorized IR bullet



IPC2324EBR-DP
4MP manual VF IR bullet



IPC742SR9
IPC744SR5
2/4MP PT IR bullet



IPC262 series
2MP starlight bullet



IPC252ERA-X22DUG
2MP starlight bullet

PTZ dome



IPC6252SR-X22(33)U
2MP 22X(33X) starlight PTZ



IPC6852SR-X44U
2MP 44X starlight PTZ



IPC6252SFW-X22U
2MP 22X full spectrum PTZ



IPC6253SR-X33
3MP 33X IR PTZ



IPC6252SL-X33U
2MP 33X starlight
Laser PTZ

Box camera



IPC562E-DUG
2MP starlight box



IPC568E-G
12MP box

2MP H.265 series will release in Sep, 33X laser PTZ will release in Oct

3rd party integration



Key Points

- ✓ Support SDK(3.0) integration (Only for alarm , configurations is to be planned)
- ✓ Support Onvif plus (Uniview private protocol), Uniview provides documents
- ✓ NVR firmware version: D018, & IPC firmware version: P10D1604
- ✓ Auto tracking firmware release time: Nov 2016



Uniview Technologies

THANKS