

ZUUM

More imagination than dual-lens

4 inch Dual-lens PTZ Camera



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0 2 Product Introduction

0 3 Applications

0 4 Competition



Background--Scenario requirements

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Outdoor Parking Lots



Traffic Intersections



Public Squares



Parks



What do customers
need?

Monitor panorama and details

Monitor different directions

Background-- Challenges

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Traditional PTZ

- ✗ Panorama
- ✓ Details



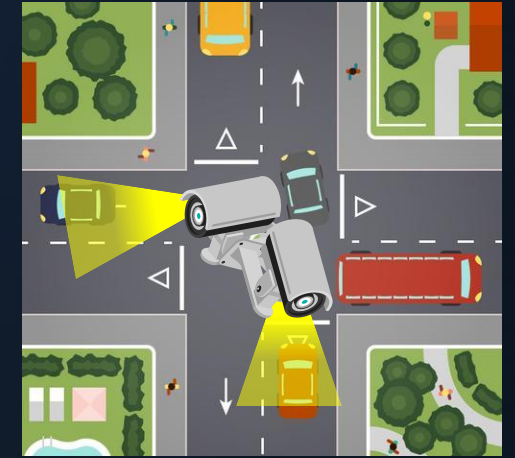
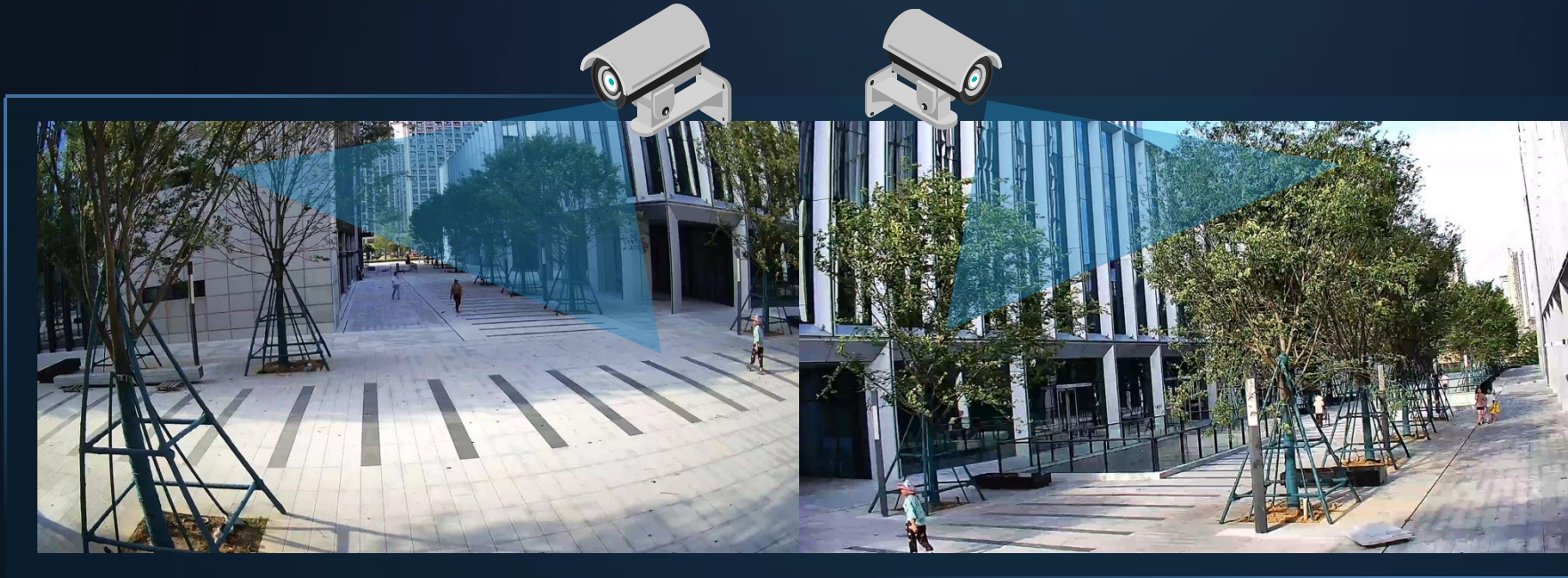
Traditional IPC

- ✓ Panorama
- ✗ Details

Traditional PTC and PTZ are difficult to combine panorama with details.

Background-- Challenges

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It is difficult to monitor two directions with one camera.



High
equipment cost



High
labor cost



High
management cost



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Key Features

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Dual-lens

- Fixed lens : 4mm
4MP resolution
- PTZ : 25x optical zoom
• 4MP resolution

Warm light

- ColorHunter
(F1.0 large aperture
1/1.8"big sensor)
- warm light LED distance 30m



Powered by Deep-learning

- Smart Intrusion Prevention
Face Capture,
People Counting
- Linkage tracking

Speaker & Alarm light

- Built-in Speaker (3W)
- Noticeable warm light

Key Features

ZUUM

Dual-lens

- Fixed lens : 4mm
4MP resolution
- PTZ : 25x optical zoom
• 4MP resolution

IR light

- LightHunter
- IR light distance 30m



Powered by Deep-learning

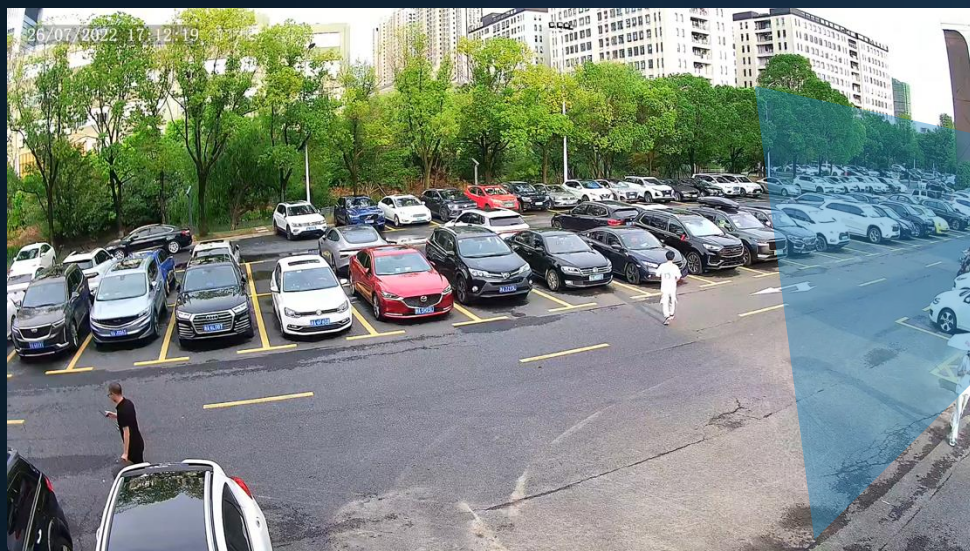
- Smart Intrusion Prevention
Face Capture,
People Counting
- Linkage tracking

Speaker & Alarm light

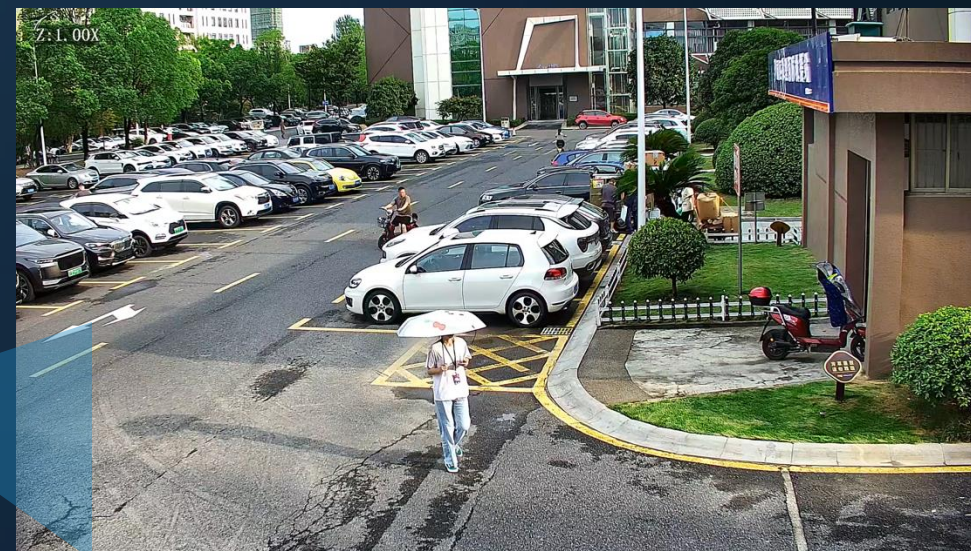
- Built-in Speaker (3W)
- Noticeable warm light

Synchronize panorama with details

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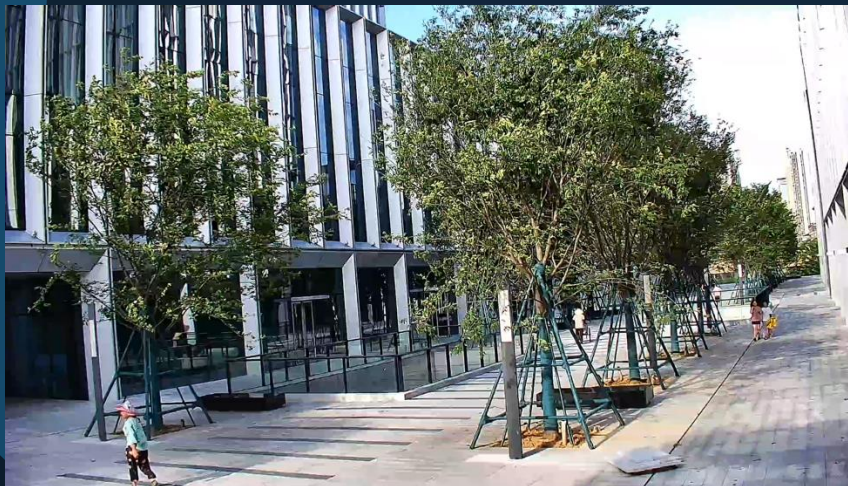
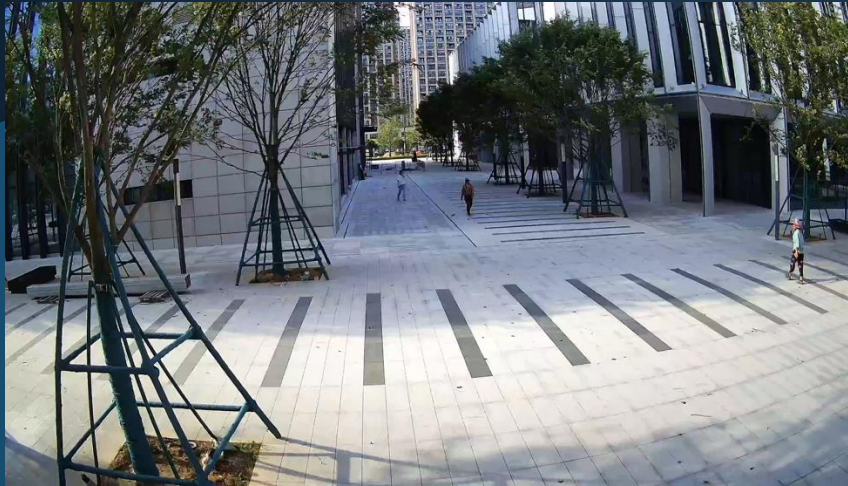
Monitor the panorama
without losing the details.



Focus on the details
without losing panoramic information.

Monitor Various Directions in one unit

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**Record videos from different directions
with two lens in one camera**

Inattentive Information Filtering

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Smart Intrusion Prevention

Focus on human, non-motor vehicle and vehicle



False alarm rate < **1%**

Traditional IVS

False or missed alarms by all targets



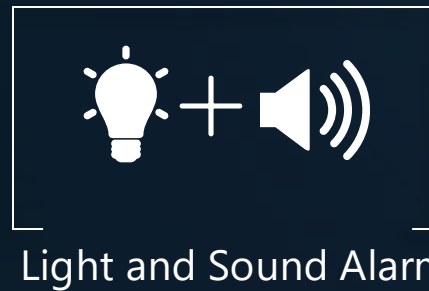
Panorama



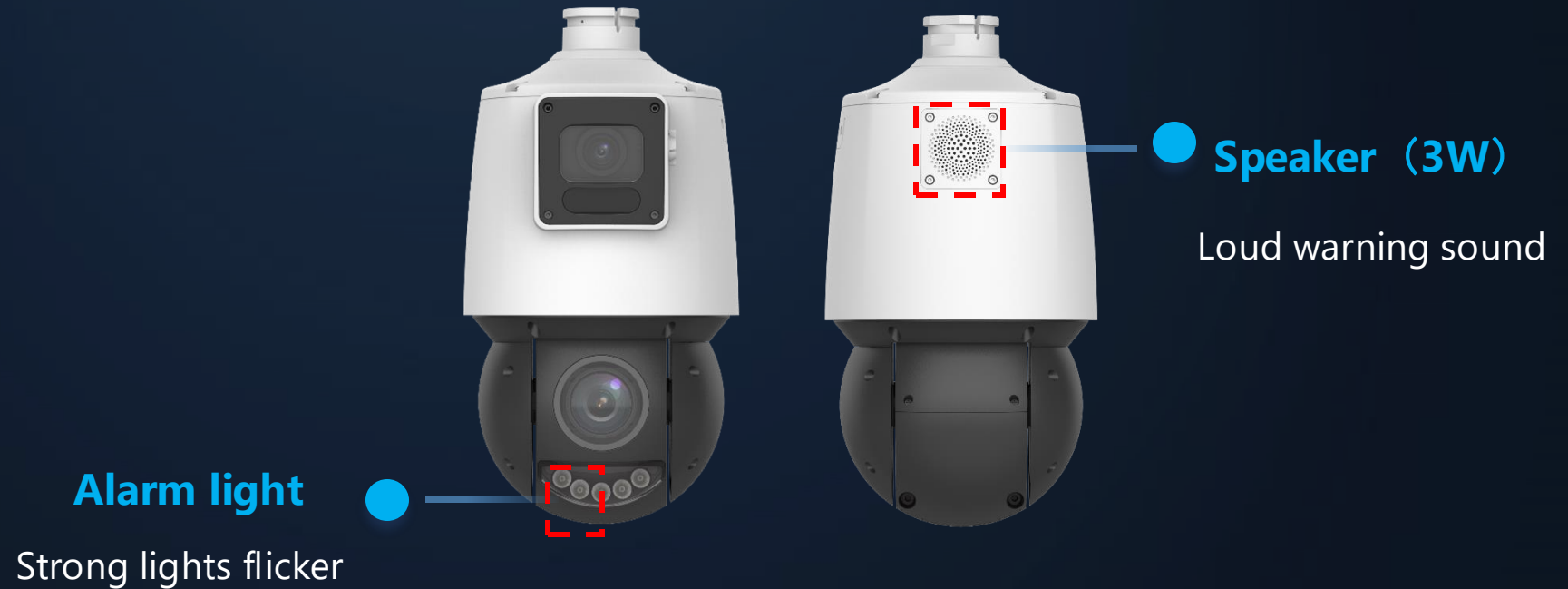
Auto-tracking (Detail)

Light and sound alarm to expel intruders

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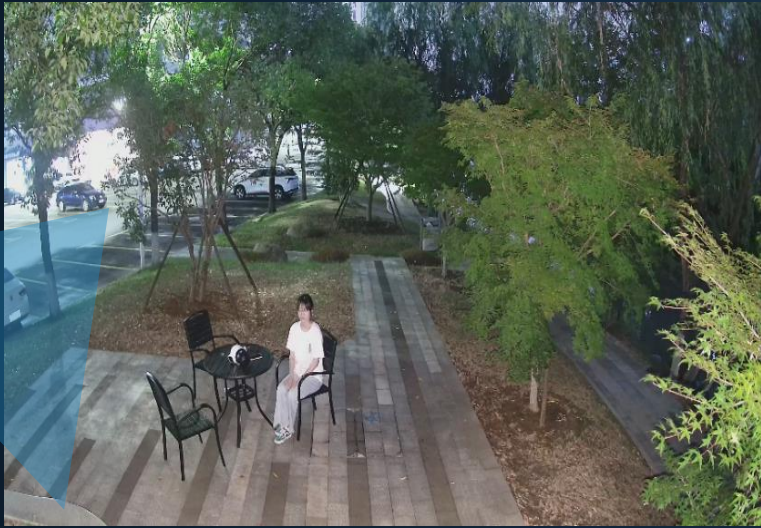


Expel Intruders Process



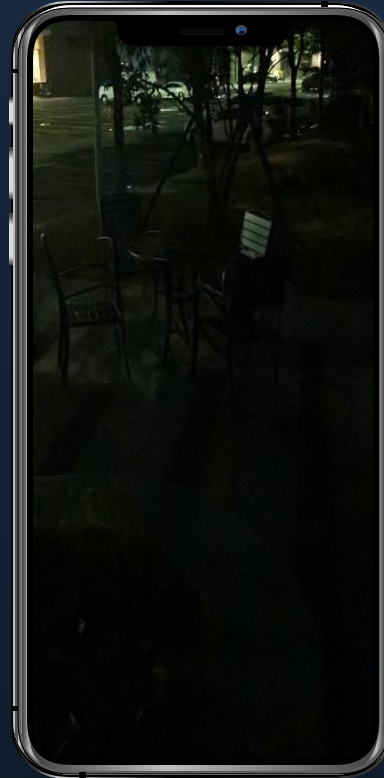
High Quality Image

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ColorHunter

warm lights
to see full color in night



LightHunter

IR light
to capture clear images at night

More angle video information

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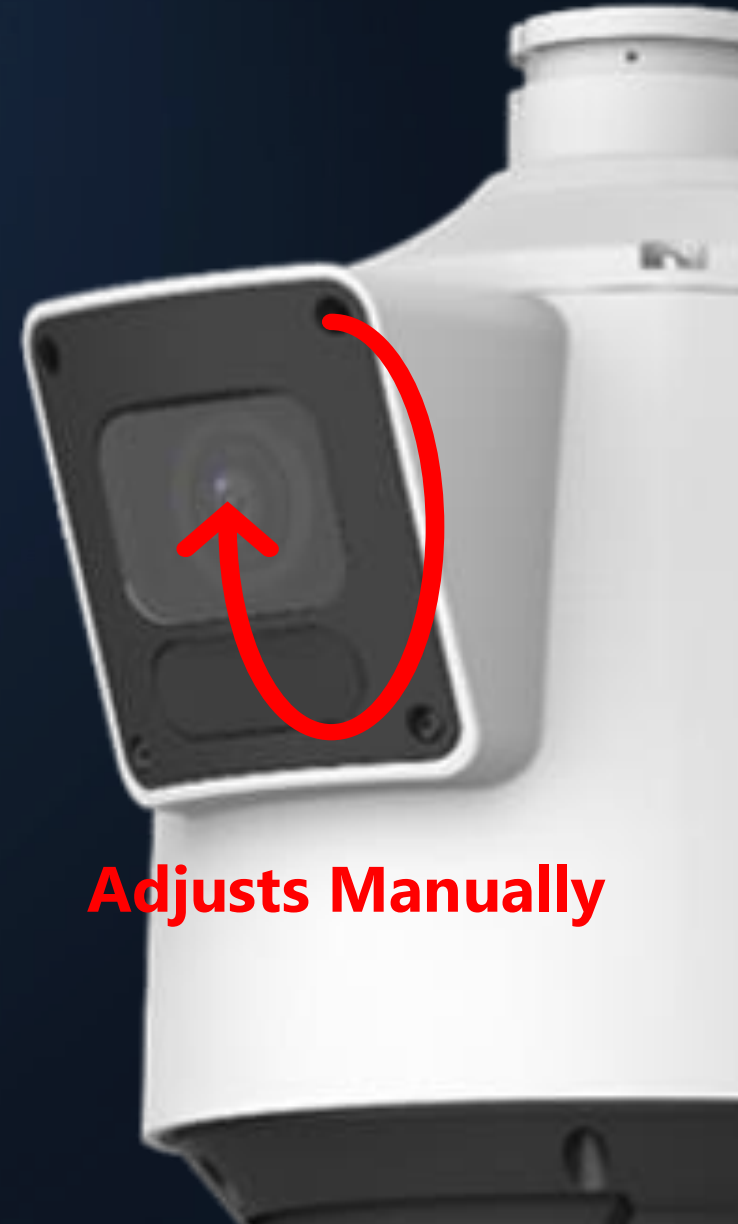
Tilt angle $18^\circ - 5^\circ$



Tilt angle 18°



Tilt angle $18^\circ + 5^\circ$



Adjusts Manually

Lower cost with 2 in 1



Easy to install

Catch in one hand



all-in-one design

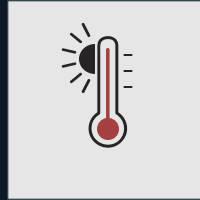
Less Expenses

Strong Adaptability



IP66

Prevent dust and water



Temperature (-40°C ~ +65°C)

Work normally under extreme temperature



6KV

Protect camera from lightning



Dust



Rainy



Lightning



Extreme Temperature

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Applications

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Outdoor Parking Lots

- Overall
- Car/Human details



Public Square

- Overall
- Sudden abnormal situation

Challenges

It's difficult to monitor more than one abnormal situation.

Solutions

When tracking people or vehicles, ensure the panorama is not lost

Applications

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Traffic intersections

- **Monitoring different intersections**



Parks

- **Monitoring different directions**

Challenges

Monitor different directions at the same time, and the directions may change.

Solutions

Dual-lens design, and the PTZ can rotate to change direction.

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Competition Comparison

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		GV Series	Hikvision
Type		GV-PTZ2X4MP-AI-IP-4-25X-IR30S	DS-2SE4C425MWG-E(14F0)
Size		4inch	4inch
Panorama	Resolution	4MP	4MP
	Focal Length	4mm	2.8 mm
	Aperture	F1.0	F1.0
	Sensor	1/1.8"	1/3"
	Light Range	warm light: Up to 30m	white light: up to 30 m
Detail	Resolution	4MP	4MP
	Zoom	25 ×	25 ×
	Focal Length	4.8~120mm	4.8~120mm
	Aperture	F1.5	F1.6
	Sensor	1/2.7"	1/2.8"
Light Range		IR: up to 100 m	IR: up to 100 m
Alarm I/O		2/1	1/1
Audio I/O		1/1	1/1
Protection		IP66 , 6kv	IP66 , 6kv
Deep Learning Function		Smart Intrusion Prevention, Face Capture, People Counting, Linkage Function	Face Capture



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**More imagination
than dual-lens**

