



TiOC 3-in-1 Camera

Your Effective Deterrent Against Intruders



180° Wide Angle



EPTZ



Sound and Light Alarm



Smart Dual Light



WizSense

What is TiOC DUO

As a Three-in-One Camera, TiOC DUO features a remarkable 180° FOV with dual lens that can cover an extensive area and every detail of its surroundings. Whether it's a residential property, a commercial establishment, or a larger scenario, this camera ensures comprehensive monitoring without any blind spots.

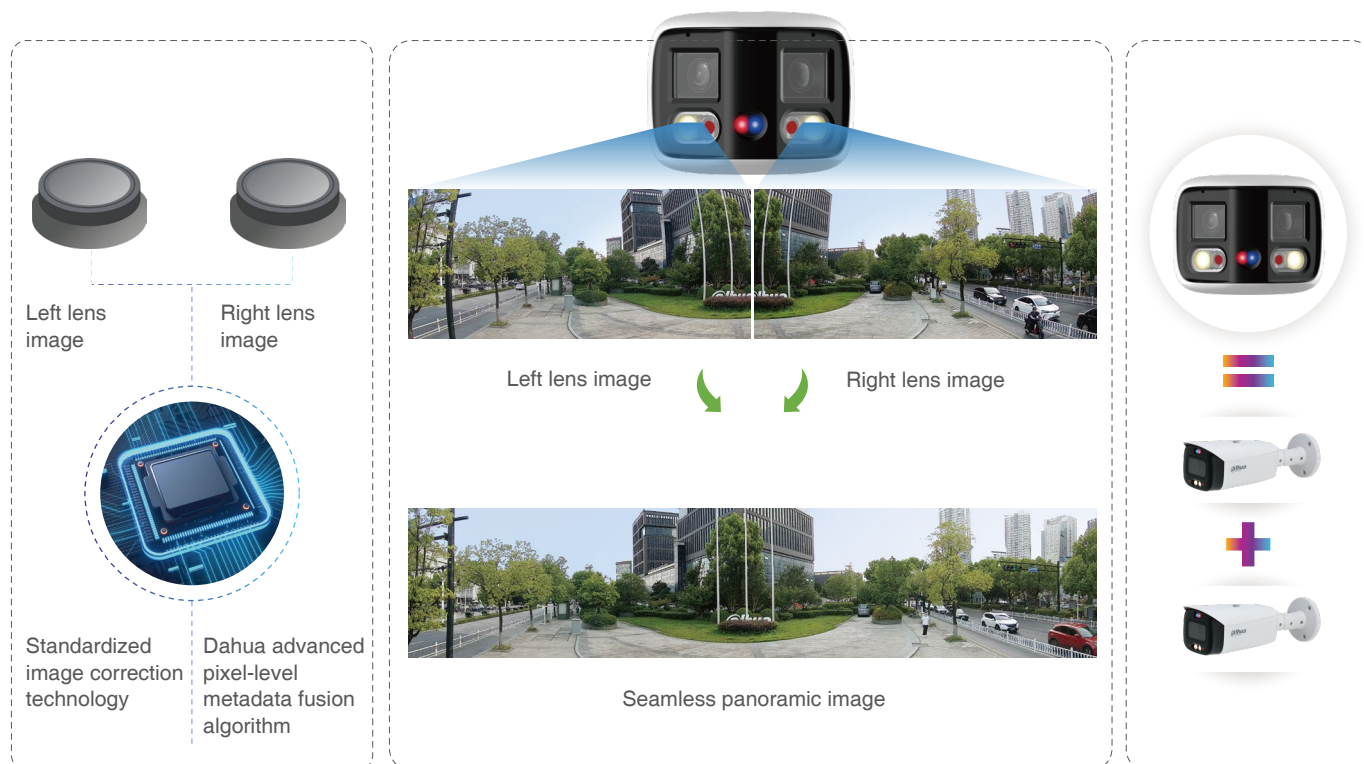
Featuring active deterrence, smart dual light, and AI functions into one camera, the TiOC DUO is designed to focus on human and vehicle detection. This product goes beyond traditional monitoring, providing proactive protection to warn off potential intruders.

Key Features



180° Panoramic Image

- The 180° horizontal FOV can monitor a large scene with wider range of views for more details, significantly saving product and installation costs.





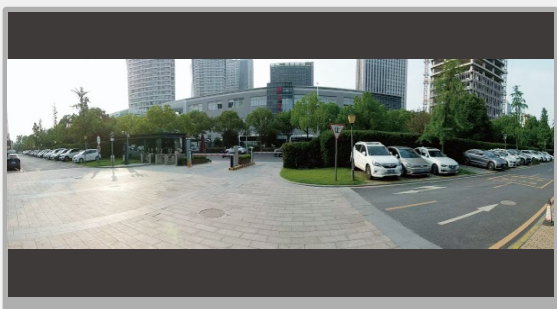
20:9 Panoramic Image

- It offers a larger vertical FOV that can cover more areas of the scene. It fits normal 16:9 screen and presents smaller black edges.

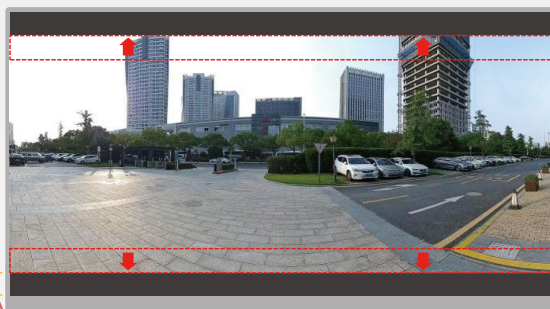


Traditionoal 4K Splicing Panoramic Camera

TiOC **Duo**



Ratio 32:9



Smaller Black Edges

Ratio 20:9



3-Axis Adjustment

Three directional adjustments



Pan: 0° to 360°

Tilt: 0° to 77°

Rotation: 0° to 360°

Scenario



VS

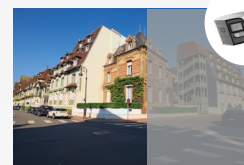
Two directional adjustments



Pan: -30° to 30°

Tilt: -75° to 75°

Scenario

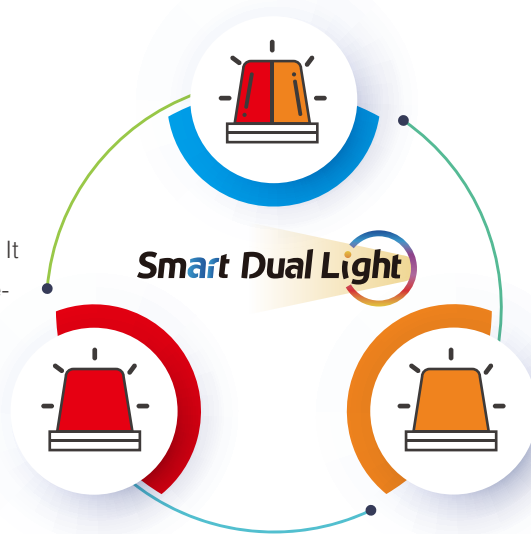




Smart Dual Light

Smart Illumination Mode (default): Switch between IR Mode and Warm Light Mode when target is detected.

IR Mode: Only IR illuminator is ON. It is suitable for scenes where supplementary warm light is not required, thus reducing light pollution.



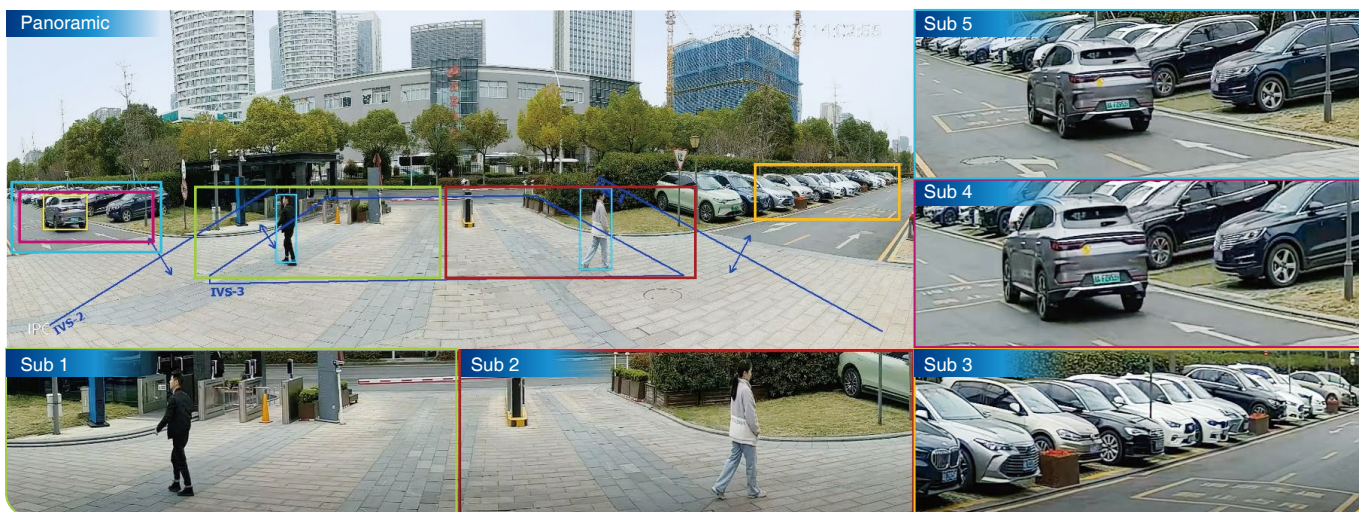
Warm Light Mode: Only the warm light is ON. It is suitable for scenes that require color video footages.



AI Features



EPTZ: Zoom-in & Track Targets



- Panoramic image sees targets in the entire scene
- Sub images show details
- Flexible Perimeter Protection configuration
- Optional focus of key areas in sub images
- Real-time tracking

Multiple combination modes



Mode (1)



Mode (1+1)



Mode (1+3)



Mode (1+3)



Mode (1+5)

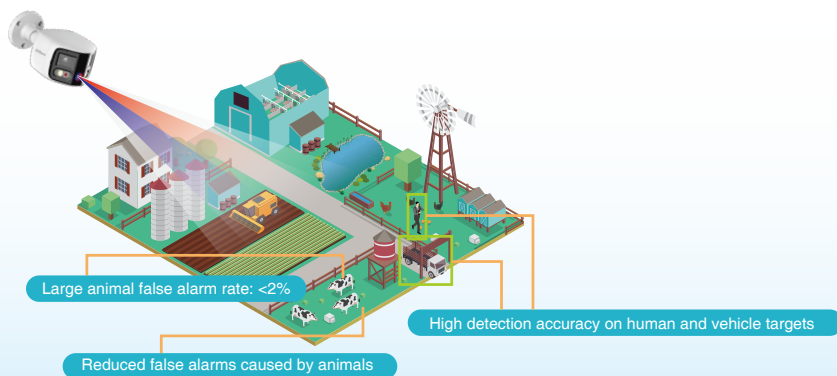


SMD 4.0: Reduces false alarms caused by animals

- SMD, short for Smart Motion Detection, analyzes person and vehicle shapes based on motion detection and sends alarms only when a person or vehicle has been detected for intrusion.

Reduces false alarms caused by animals

- Equipped with new deep learning algorithm, SMD 4.0 is optimized to filter out small and large animals in the scene to avoid triggering false alarms.



- One key to enable

Alarm triggered



- False Alarm Rate: <1%

Alarm filtered



99%

Detection accuracy rate

<0.5%

Small animal false alarm rate

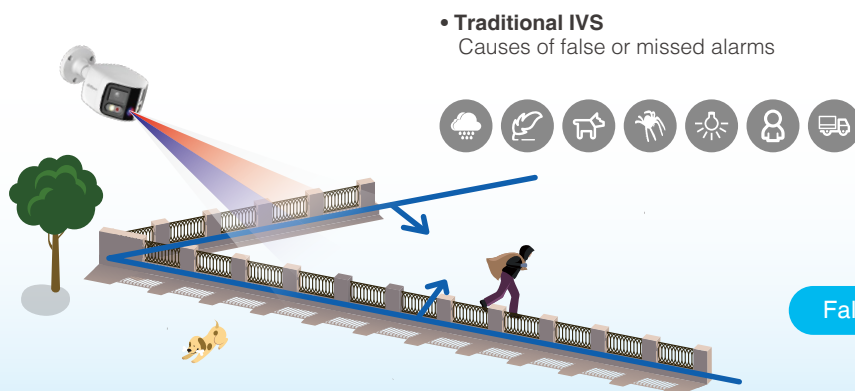
<2%

Large animal false alarm rate



Perimeter Protection

- The perimeter protection based on tripwire and area intrusion sends an alarm when suspicious movements triggered by a human/vehicle target occur, avoiding unnecessary false alarm.



Traditional IVS

Causes of false or missed alarms



Perimeter Protection

Alarm will be triggered only when a human/vehicle target violates a rule



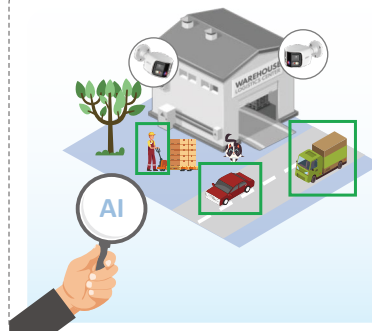
False Alarm Rate: <1%



Two-way Talk & Customizable Voice Audio Alerts



Quick Target Search

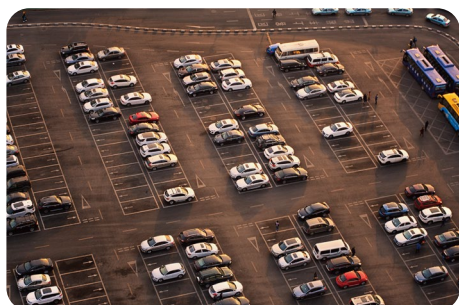


Applications



Private Places

- Villas, shops, warehouses, etc.
- 180° FOV covers all scenes, saving cost on extra cameras
- Accurately identify real targets (focus on human and vehicles)
- Effectively warn off intruders with siren & light alarm
- Notify user in real-time via mobile app



Public Areas

- Parking lots, Fire lanes, emergency lanes, etc.
- 180° FOV covers all scenes, saving cost on extra cameras
- Effectively maintain unobstructed emergency lanes to help ensure public safety
- EPTZ function realizes zoom-in and 5-target tracking at the same time

Recommended Models



8MP Eyeball

PDW3849-A180-AS-PV

- 120dB WDR
- Smart H.264+/H.265+, AI H.264/H.265
- Built-in Dual Mic and Speaker for Two-way Talk
- 1/1 Alarm in/out, 1/1 Audio in/out
- Sound and light alarm (red and blue lights)
- SMD 4.0, Perimeter Protection, AI Coding
- EPTZ, AR



8MP Bullet

PFW3849S-A180-AS-PV

- 120dB WDR
- Smart H.264+/H.265+, AI H.264/H.265
- Built-in Dual Mic and Speaker for Two-way Talk
- 1/1 Alarm in/out, 1/1 Audio in/out
- Sound and light alarm (red and blue lights)
- SMD 4.0, Perimeter Protection, AI Coding
- EPTZ, AR

* Design and specifications are subject to change without notice.

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