





TOC

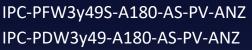
TIOC, short for Three-in-One Camera, offers full-time protection before, during, and after an event with our smart, innovative integration of Smart Dual Light technology, Active Deterrence, and AI.

















EPTZ realizes zoom-in and target tracking



Active red & blue light and audio alarm



Built-in IR and LED light actualizes Smart Dual Light

NEW



Al focuses on humans and vehicles





Current Monitoring Pain Points





Traditional One Camera





Blind Spots



Increased Devices & Installation Cost



Traditional Two Cameras

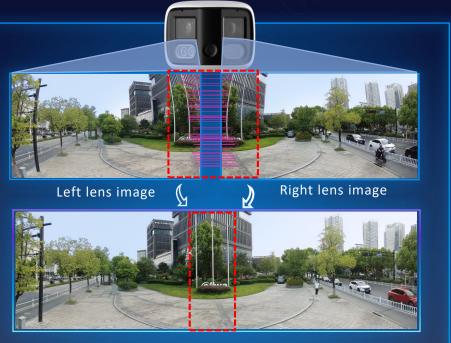






Dual lens, Natural fusion

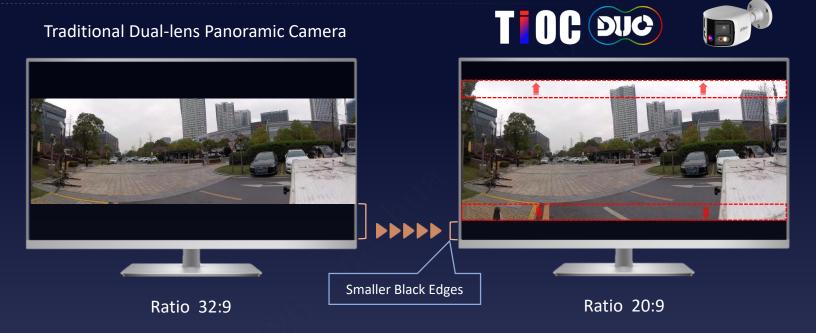




Seamless panoramic image: No missing details, natural fusion





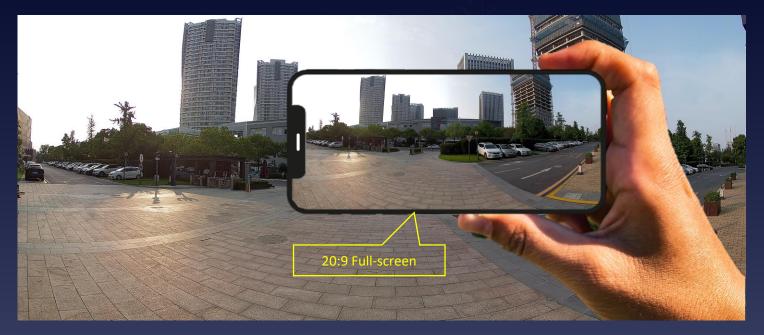


- Larger vertical FOV, covers more areas
- Better fit normal 16:9 screen, smaller black edges





The smart phone screen usually is 20:9, TiOC DUO 4K 20:9 panoramic image can provide a better view experience on the phone. The wider aspect ratio allows a full-screen display with no black edges, making it more enjoyable and providing more details.







TiOC DUO 20:9 4K Panoramic Image



32:9 4K Panoramic Image





• Larger View with less blind zone

- 20:9 Ratio better fit the screen
- Save costs on the camera

Traditional Single Lens 16:9 4K Image

TIOC DUC: EPTZ, Panorama with multiple targets details







Smart Dual Light

Advanced Deep Learning Algorithm

Accurate illumination switch when human is detected. Less false triggering.

Smart Illumination

Automatically switched from Warm Light Mode back to IR Mode when no human is detected in the monitoring area. Thereby, less light pollution.

Human is out of Monitoring Area



- Infrared Light Turns on
- Black & White

Human is Detected by Camera



- Warm LED Turns on
- Full-color Monitoring

Human Leaves Monitoring Area



- Infrared Light Turns on
- Back & White





Application Scenario: Villa (Outdoor)



Color details unavailable



Serious light pollution



Record color details of key events Significantly reduces light pollution (Warm light activates at critical moments only)

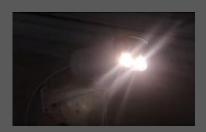




Application Scenario: Shop (Indoor)



Hard to find key targets



Constant light interference



Record color information of key events
Warm-light active deterrence (Warm light activates at critical moments only)





Color details not captured with IR light

Constant white light ruins ambiance and experience

Illumination modes require manual switching

Record color information of key events

Maintain IR mode during business hours to reduce light pollution

Automatic Illumination by Schedule

TIOC DUC: Protect People and Property Full-time



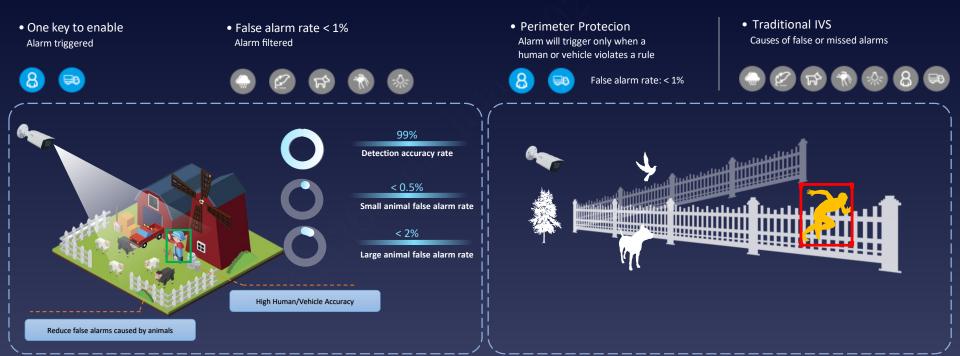


Accurate Detection Before an Event



• 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.

• Perimeter Protection, based on tripwire and area intrusion rules, sends an alarm when unwanted movements triggered by humans or vehicles occur, avoiding unnecessary false alarms.



Active Deterrence During an Event



• The red & blue light flashes while the siren makes a warning sound to deter the intruder.



• Two-way Talk & Customizable Alert Voice Audio

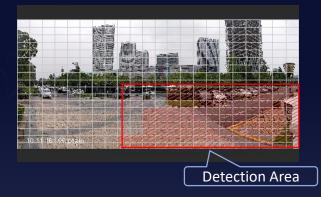


Warm Light & Warning Light Detection Area



Warm Light & Warning Light Detection Area

In order to avoid the interference of the sound and light in the non-interested area at night, the TiOC support to set Warm light & Warning light detection area, when the target enter the detection area, the camera will trigger the warm light and sound & light active deterrence to warn the intruders, effectively reduce the alarms, and focus on the alarms in the interested area.



Smart Illumination Mode



IR Mode



Warm Light Mode



Quick Target Search After an Event



Smart Search is another way to filter human and vehicle targets on the playback page. Selecting the Human/Vehicle checkbox in the menu shows marked fragments on the video scrubber that help users quickly locate when the human or vehicle appeared.









Private Places

- Villas, shops, warehouses, etc.
 - Accurately identify real targets, focus on humans and vehicles
 - Effectively warn off intruders with siren & light alarm
 - Notify user in real-time via app
 - Record colorful event videos

Public Areas

- Fire lanes or emergency lanes
 - · Effectively maintain unobstructed emergency lanes to enhance public safety
 - 180° FOV covers all scenes, save cost on cameras
 - · EPTZ function realize zoom-in and 5 targets tracking at the same time







Product	Model	Features
NVR	NVR4XXX-4KS2/L	1.Soud and light alarm 2.One-tap disarming 3.Smart Dual Light: Smart Illumination Mode, IR Mode, Warm Light Mode setting
	NVR4XXX-AI/ANZ	1.Soud and light alarm 2.One-tap disarming 3.Smart Dual Light: Smart Illumination Mode, IR Mode, Warm Light Mode setting 4.Quick Pick 5.EPTZ
	NVR5XXX-AI/ANZ	1.Soud and light alarm 2.One-tap disarming 3.Smart Dual Light: Smart Illumination Mode, IR Mode, Warm Light Mode setting 4.Quick Pick 5.EPTZ
Software	DSS PRO	1.Soud and light alarm 2.One-tap disarming
	DSS Express	3.Smart Dual Light: Smart Illumination Mode, IR Mode, Warm Light Mode setting 5.EPTZ
	DMSS	1.Soud and light alarm settings 2.One-tap disarming 3.Smart Dual Light: Smart Illumination Mode, IR Mode, Warm Light Mode setting
Tool	Smart Player	1.Video playback
	SmartPSS Lite	1.Configure and manage devices

ENABLING A SAFER SOCIETY AND SMARTER LIVING