

Wiz Sense

alhua
TECHNOLOGY



TiOC PRO

Your Effective Deterrent Against Intruders



1/1.8"
Image Sensor



Clear B&W Images
(Cofocal Lens)



Multi-Core
Illuminators



Lens Distortion
Correction



Dual-Power
Backup

| What is TiOC PRO?

The new TiOC PRO series features significant enhancements across its hardware and functionality, including an upgraded image sensor and a more powerful dual-illuminator system for longer illumination distances. Image improvements include extended illumination distances and the LDC function, alongside dual-power backup for increased reliability.

TiOC PRO Bullet (8MP/6MP)

- IPC-HFW3849T1P-AS-PV-0280B-PRO / 0360B-PRO
- IPC-HFW3649T1P-AS-PV-0280B-PRO / 0360B-PRO

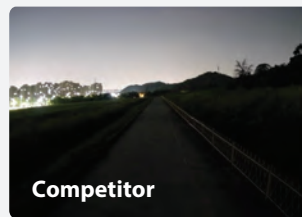
TiOC PRO Turret (8MP/6MP)

- IPC-HDW3849HP-AS-PV-0280B-PRO / 0360B-PRO
- IPC-HDW3649HP-AS-PV-0280B-PRO / 0360B-PRO



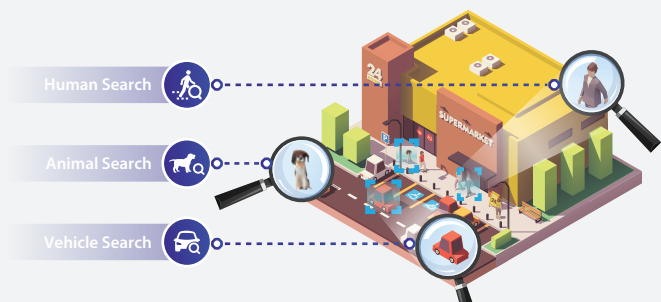
1/1.8" Image Sensor

- A large 1/1.8" image sensor provides better image quality and clarity.
- Increasing the sensor area by 110% creates brighter images with less noise.



AcuPick

- Utilises a deep learning algorithm and collaborates with back-end devices to precisely match targets, such as people and vehicles, enabling efficient searches through live and recorded videos to quickly locate targets.



Built-In Dual Mic & Speaker

- Offers better noise reduction and two-way audio.
- The red and blue light flashes while the siren makes a warning sound to deter intruders.
- Customisable alert voice audio.



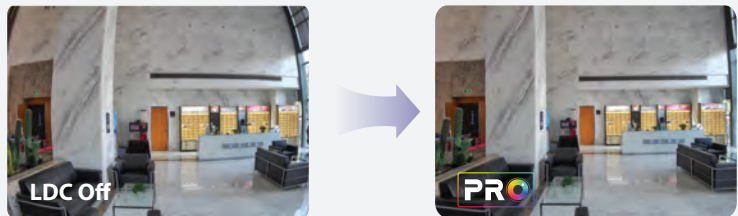
AI Coding ABR (Average Bit Rate)

- AI Coding offers three rate control strategies: ABR, CBR, and VBR, effectively enhancing image quality and conserving bandwidth to accommodate diverse scenarios.



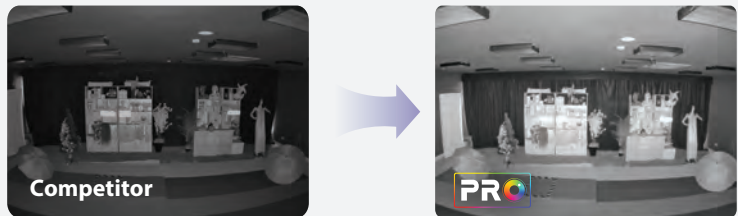
LDC & Dual-Power Backup

- Lens Distortion Correction enables more accurate images by reducing disfigurement.
- PoE / 12v DC dual-power backup.



Smart Dual-Light

- The camera's illumination can be adjusted according to the time of day, enhancing configuration efficiency and suiting more scenario applications with Smart Illumination Mode, Warm Light Mode, and IR Mode.



Smart Motion Detection (SMD4.0)

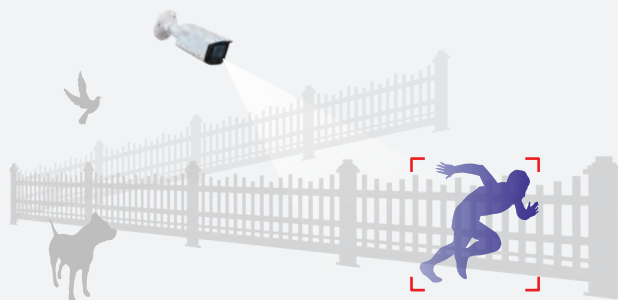
- Filters out false alarms and focuses on human and vehicle targets.
- False alarm rate < 1% .
- Sends alarms only when a person or vehicle has been detected for intrusion.





Perimeter Protection

- Based on tripwire and area intrusion rules, this feature sends an alarm when unwanted movements by people or vehicles are detected, therefore avoiding unnecessary false alarms.
- False alarm rate < 1% .



AI-SSA (AI Scene Self-Adaption)

- Utilises artificial intelligence and a deep-learning algorithm to identify various scenes and adjusts accordingly, ensuring images are optimised to suit the conditions.



Product Specification

Image Sensor	1/1.8" CMOS
Min. Illumination	0.0008 Lux@F1.0 (Colour, 30IRE); 0.0004 Lux@F1.0 (B/W, 30IRE); 0 lux (Illuminator on)
Illumination Distance	Bullet: Up to 50 m (IR & Warm Light); Turret: Up to 30 m (IR & Warm Light)
Illuminator	4 Multi-Core Light (IR + Warm)
Field of View	2.8 mm: H: 109°; V: 59°; D: 131°; 3.6 mm: H: 93; V: 50°; D: 111°
Video Frame Rate	Main-stream: 3840×2160 @(1 fps–25/30 fps); Sub-stream: 1920×1080@ (1 fps–25/30 fps); Third-stream: 1920×1080@ (1 fps–25/30 fps)
Bit Rate Control	CBR, VBR & ABR
Privacy Masking	8 Areas (Colour Block) or 4 Areas (Mosaic)
Temperature	–40 °C to +60 °C
Built-in Mic	Dual-Mic
AcuPick	Supported
Active Deterrence	Red & Blue Warning Lights & Sound Alarm
Dual-Power Backup	PoE & DC12V Dual-Power Backup

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