Tiandy

SMART IP SOLUTION

Super Starlight · Color Maker · Turbo AI
EWarning · Face Recognition · Fever Detection

Tiandy

Distributor Information

About Tiandy

Founded in 2004, Tiandy Technologies is a world-leading intelligent surveillance solution and service provider positioned in full color full time, ranking No.7 in the surveillance field. As a world leader in video surveillance industry, Tiandy integrates AI, big data, cloud computing, IoT and cameras into people-centric intelligent solutions. With more than 2,000 employees, Tiandy has over 60 branches and support centers at home and abroad.

With strong and highly-capable R&D team as the core of our company, we are being the first in the industry to put forward the "Starlight" concept in 2015, which we applied into IPC to take sharp and colorful image in static scene of 0.002 Lux. Then we improved the "Super Starlight" cameras with exclusive TVP algorithm to capture image in the static scene of 0.0004 Lux in 2017 and then in the dynamic scene of 0.0004 Lux in 2018 when we completely launch the Star device line that consists IPC, PTZ and Panoramic series. Now, with user-friendly self-developed GUI, "Easy7" VMS and "EasyLive" mobile APP, we offer cost-efficient products and project-based products including 2MP to 16MP camera, 4X to 63X PTZ camera and 5ch to 320ch NVR, supporting milestone and patriot. Fortified by our advanced SMT production line and strict quality control system, we are able to provide 8 million pieces of IPCs with lower than 1% defect rate per year. With all these efforts, we are also the first in the industry to be awarded national famous brand. Besides, we are certified CMMI5, draft 25 industrial standards, enjoy ONVIF full membership and acquire over 500 product design patents and software copyrights.

We pursue high-quality products and develop various industry solutions, ranging from intelligent neighbourhood, intelligent traffic system, intelligent education, financial system, to water resource engineering etc. Now, our customers are over 60 countries and our products and services are applied in over 500 smart cities as well as in Davos Forum, London Heathrow Airport and the World Cup in Brazil etc.. We focus on developing a reliable cooperation platform to our partners and promise our customers a safe smart life with the mission of "Vision for World". Whatever the requirements, Tiandy will always be able to find a way to meet your needs.
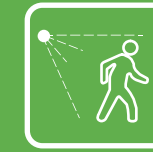
2020 Security 50 by a&s Magazine

TECHNOLOGY HIGHLIGHTS

Color Maker
24 hours Full Color

Turbo AI
AI Popularizer

EWarning
Auto-tracking
Early Warning

Super Starlight
Color: 0.0004Lux

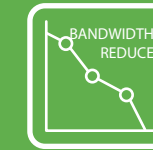**TVP®**
Transcendent Video
Processing

Plugin Free
No ActiveX

VMS
All in one

Panoramic
180°/360° Panoramic Camera
PTZ Camera

S⁺265 Codec
Save 50% Storage

Face Capture
High Capture Rate

Face Recognition
High Accuracy Full Solution

**Human/
Vehicle Classification**
Less False Alarm

Color Maker

Combined with large aperture and large sensor, Tiandy Color Maker technology enables camera to obtain large amount of light in low light environment. Even at totally dark nights, cameras equipped with Color Maker technology can capture vivid color image and find more details in scenes with the help of warm lights illumination. Color Maker technology makes it possible for camera to achieve the goal of full-time full-color.

Turbo AI

Tiandy dedicates itself to popularizing AI intelligent functions. Tiandy Pro series cameras, all of which are equipped with AI chipsets, support face capture mode and up to 16 kinds of VCA intelligent analysis. Part of them even go further and support human/vehicle classification function based on deep learning algorithm, which improves the detection accuracy and reduces false alarm rates. AI chipset not only tremendously energizes product detection ability, but also allows information processing accelerating.
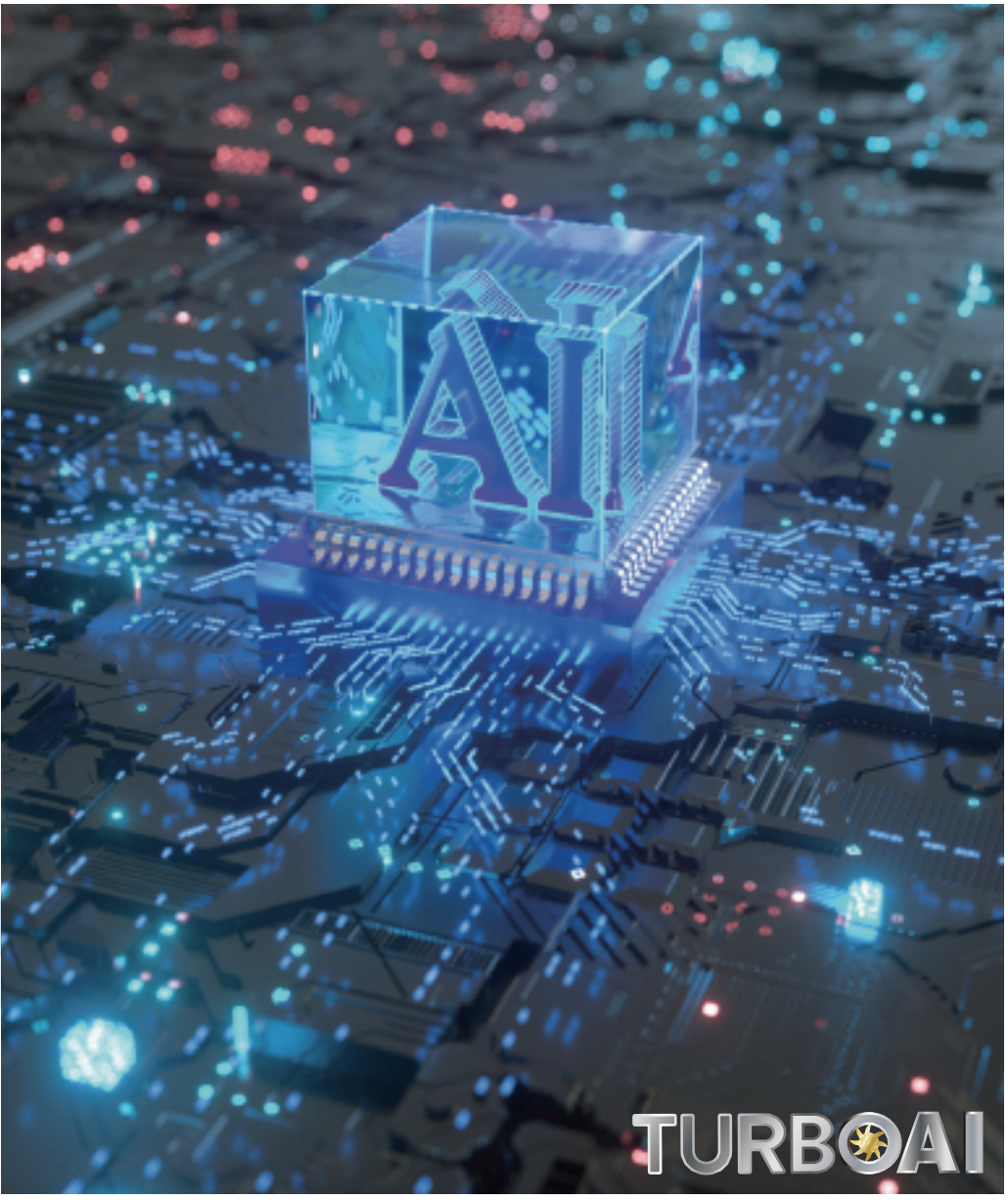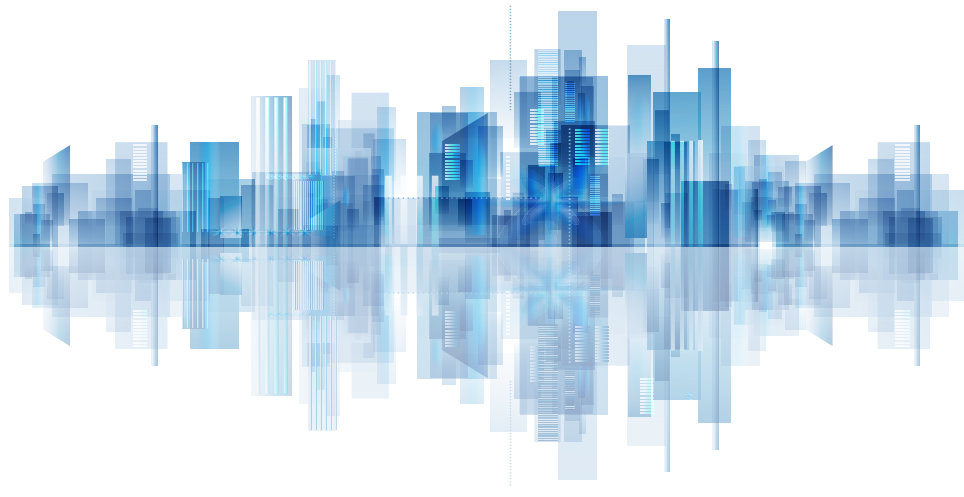
Fever Detection

Supports optical and thermal bi-spectrum image
Vanadium Oxide Uncooled Focal Plane Arrays
Thermal Resolution 256×192, output resolution up to
1280×960@25fps
Measure Accuracy ±0.5°C, (±0.3°C with blackbody)
Detection distance 0.5~3m
Optical Resolution up to 2560×1440@25fps
Optical Min. illumination Color: 0.0002Lux@F1.0
Built-in Mic& Speaker
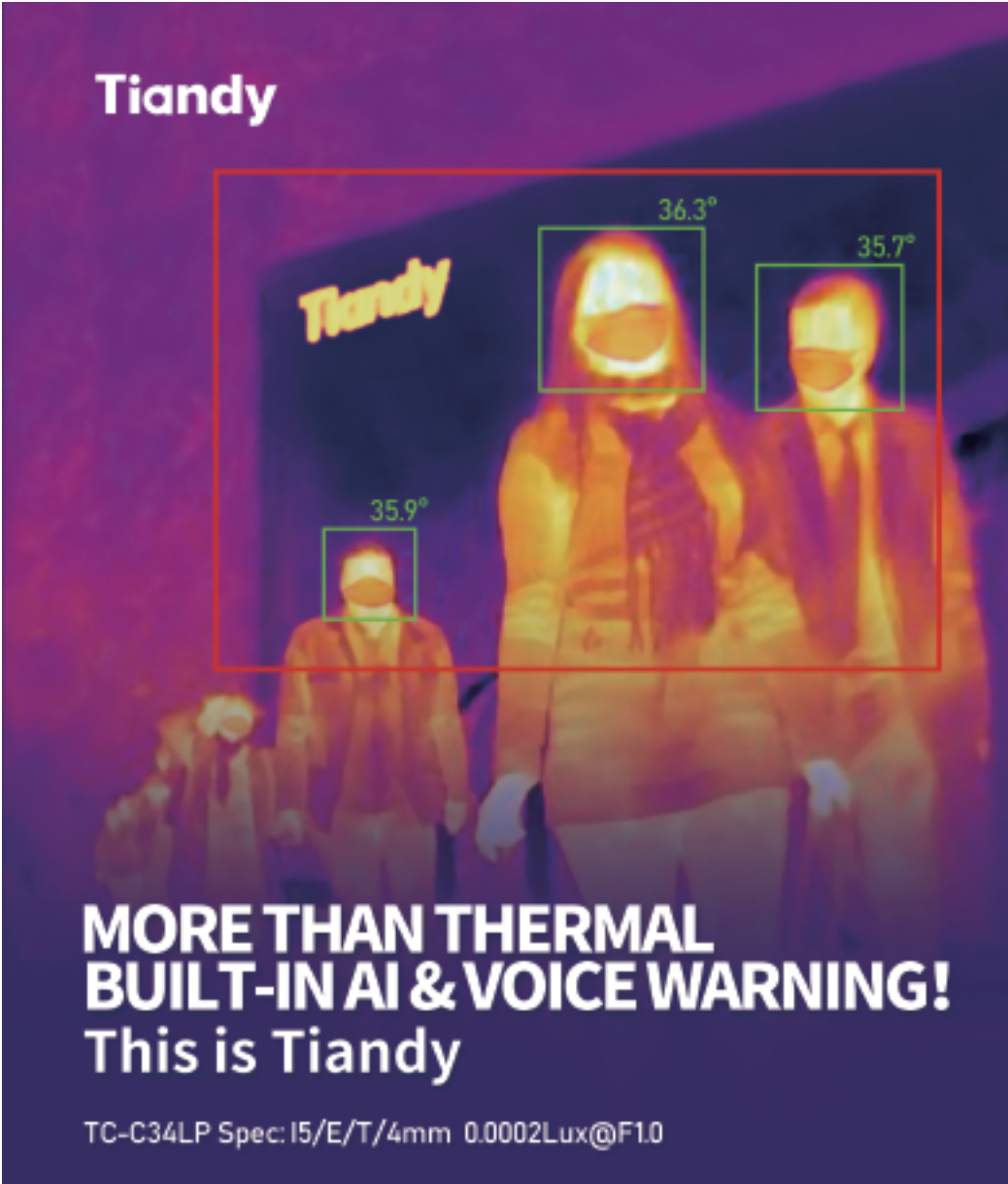
EWarning

Based on AI deep learning, EWarning is the combination of
light warning and audio warning, achieving the effect of
prevention, mid-way intervention and post-event investiga-
tion. It can precisely differentiate vehicle from people, and
warn people or vehicle respectively, thus increasing the
accuracy and availability of warning compared with tradi-
tional OpenCV.

TVP

Transcendent Video Processing algorithm uses low-light enhancement algorithm to not only allow more light to enter the camera in low illumination scenes, reduce noise, improve overall picture brightness, but also weaken excessive bright light, and avoid over-exposure of single pixel. So cameras can be adapted to more occasions like traffic road or entrance and exit.

TVP SUPER STARLIGHT

・Sensitivity 85% ↑
・SNR 25% ↑
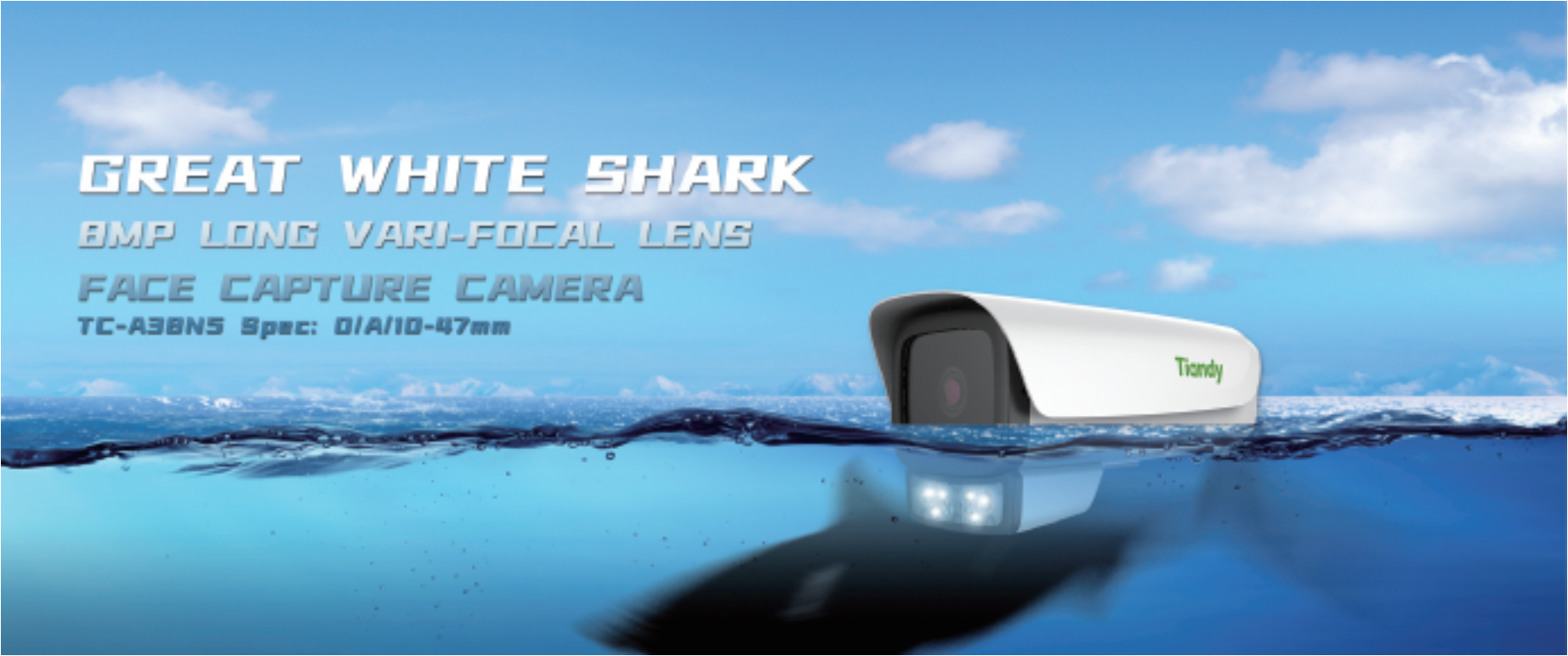・No trailed image of moving object

Traditional   TVP

Super Starlight

Highly sensitive star-level sensor, in combination with time and space bilateral noise reduction technology, provides excellent image quality even in so low illumination as 0.0004 Lux without trailing.

DEVELOPMENT OF STARLIGHT

Starlight   Super Starlight   Super Starlight2.0   Super Starlight3.0

GREAT WHITE SHARK
8MP LONG VARI-FOCAL LENS
FACE CAPTURE CAMERA
TC-A38N5 Spec: 0/A/10-47mm

Great White Shark

HIGHLIGHTS

· 1/1.8 inch CMOS sensor
· Long vari-focal: 10-47mm
· Up to 3840X2160@30fps
· Face capture/intelligent monitoring mode
· Full-time Full-color: 6 warm lights, up to 45m

5MP Video Structure AI Dual PTZ Camera

TC-A35555 Spec: 0/A/2.8-12mm/9-54mm

· Dual lens linkage capture
· 5MP bullet and 5MP speed dome
· Four warm lights, six IR LEDs array
· Dual speaker / Dual MIC
· Driven by deep learning algorithm

· 4T plus 1T powerful processing
· Face Capture
· Smart surveillance
· Face/Human Body/ Vehicle/Non-motor Vehicle Metadata
· Built-in GPS/BDS: Dual vari-focal model supports

BLUE&RED FLASH WARNING

Discover More Details

5MP VARIFOCAL PTZ-BULLET FOR OVERALL SCENARIO

5MP SPEED DOME FOR DETAILED VIEW

VCA VIDEO STRUCTURE FACE DETECTION LINKAGE TRACKING

Dual Vari-focal Lenses   Single Vari-focal Lens

TC-A35555 Spec: 0/A/9mm/9-54mm
TC-A35555 Spec: 0/A/2.8-12mm/9-54mm

Panoramic Laser PTZ

HIGHLIGHTS

· 180° Panoramic view
· Auto-tracking Early Warning
· Laser: 500m night vision
· 44x ultra optical zoom
· Gyroscope, Stabilization

Long Distance 500m
Auto-tracking Early Warning

VMS: K2000

K2000：TC-S36424 Spec: T/4U

K2000 is the integration server that supports up to 50 face recognition cameras connection.

The internal complete software system provides up to 24 HDD disks storage. Equipped with higher bandwidth, video storage capability has been increased to 256 channels in H.265.

The K2000's space-saving design can greatly save customer's deployment costs and provides unimaginable convenience when it comes to transportation. Therefore, K2000 ranks as the best solution for small and medium projects.

Face Recognition Terminal

TC-P3010

As the way to ensure costumer's convenience, face recognition terminal aims to realize touch-free access control. With the 8-inch LCD touch screen, the management of the user's face library is directly manipulated in the display screen. 2MP wide-angle lens and excellent performance processor corporate to provide rapid and accurate face recognition results. Based on security considerations, multiple authentication modes are added to the terminal which secures the data. Instant reaction saves customer's time costs. All the safety concerns can be resolved by this terminal.

Decoder

TC-N349A
TC-N3416A

Tiandy Decoder is qualified with extraordinary decoding capacities. This series of decoders support two modes: 9-channel output and 16-channel output. Decoders support up to 12MP resolution and 256-channel decoding channel display. And the decoding bandwidth climbs to 400 Mbps which is capable to satisfy user's and project's demands. Tiandy encapsulation format, RTSP and Onvif protocol are supported in devices which ensures the compatibility with third parties.

Easy7 Smart Client Express

Easy7 Smart Client Express is an independent video management software based on macOS (64bits) and Windows (64bits) Operation system for Tiandy IP cameras, PTZs, NVRs, XVRs, decoders etc. Up to 200 IP devices or 512 channels can be connected to Easy7 Smart Client Express. It supports functions like preview, playback, alarm, two-way audio, PTZ control etc. and configuration like device management, user management, storage, event etc.

Easy7 Smart Client provides multiple solutions like the people counting solution, fever detection solution, face recognition solution for small and medium scenarios with friendly using experience and intuitive data report.

OS Requirement	Windows 7/10 (64bits) macOS 10.12 or above
Supported Devices	IPC, NVR, XVR, PTZ etc.
Max. Connected Devices IP Number	200
Max. Connected Devices Chanel Number	512
Max. Connected P2P Devices Number	512
Max. Windows Division Mode for Live View	64
Max. Windows Division Mode for Playback	16
Max. People Counting IPCs under a zone	64
Languages	17
Functions	Preview, Playback, Equipment Management, Alarm Configuration, Alarm Management, System Configuration, User Management, Data Statistics, Intelligent Search, Operation Logs

Easy7 Central Management System

Easy7 Central Management System software (CMS) is the core part of the security surveillance platform, which is powerful, scalable and reliable. Easy7 CMS supports distributed deployment based on CentOS and is capable of managing up to 300,000 surveillance points. It provides a wealth of functions such as video monitoring, alarm query, face surveillance, personnel query, vehicle query, event management, storage management, E-Map, device management, attendance management, flow management and system settings. Easy7 CMS can be applied to medium and large surveillance solutions. Easy7 CMS can be easily managed via Chrome browser or mobile APP E7 on both Android and iOS.
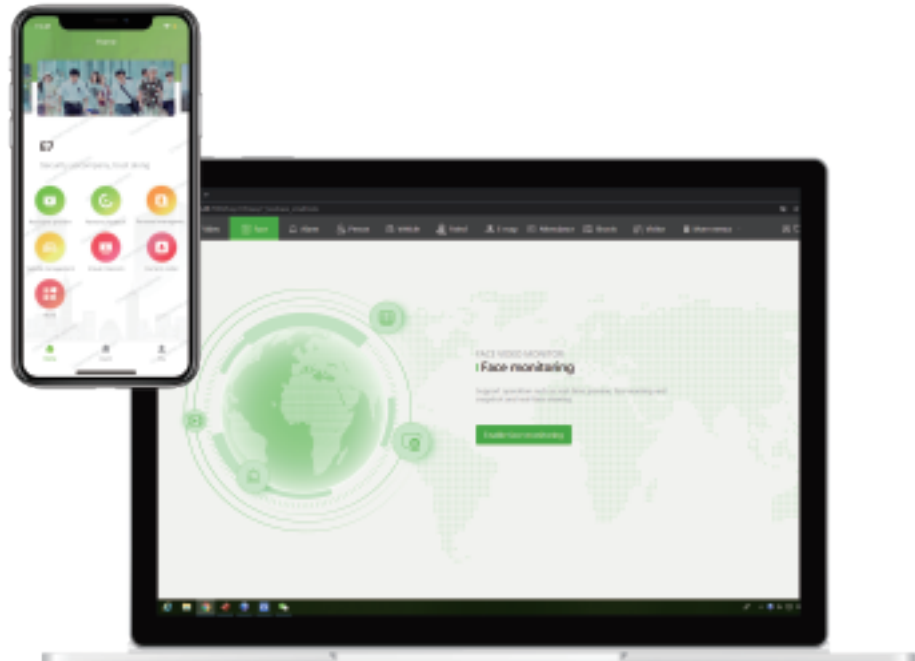
SUCCESSFUL CASES

A FAMOUS UNIVERSITY IN GYEONGBUK, SOUTH KOREA

At the end of 2020, a famous university in Gyeongbuk, South korea, selected Tiandy Thermal Camera & Tiandy NVR to be installed in the key entrances and exits of the university to prevent COVID-19. Tiandy products have been well received after being installed and debugged for the customer.

2018 RUSSIA WORLD CUP

More than 2000pcs Tiandy starlight varifocal cameras were installed in this project to ensure the personal safety. Tiandy HD IP surveillance system supports S+265 which can help the user save more than 50% storage space. It transfers the 1080p under 800K bandwidth with clear image. IP67 and TVS6000V ensures the good quality and working temperature is fit for -40 °C to 60 °C.

SUCCESSFUL CASES

COMPLEX SHOPPING MALL WISHCO IN THAILAND

WhisCO shopping mall is a very popular shopping mall with many visitors daily. Avoiding too many people in the same place, protecting the safety of customers and keeping every property in a secure condition are challenges for managment. Tiandy surveillance with super starlight function, smart analysis and warnings is applied in this system. Keep every customer safe both in daytime and night. Alarm will be triggered when too many customers are in a same area and when people enter restricted area.

QUEENSLAND COAST

Tiandy Ultra Series PTZ was selected to protect one of the most exclusive houses in Queensland, Australia. By combining audio alarm and laser tracking of Early Warning system with Auto Tracking, this camera offered the perfect solution to protect the house owners and deter any early level of threat.

SUCCESSFUL CASES

RABATI CASTLE PROJECT IN GEORGIA

Georgia is now home to a DLB 5-90n/5-15n surveillance network. Tiandy video surveillance systems were installed without damaging the aesthetic beauty of the castle by using the wireless network devices to achieve stable transmission of video stream.

AL REEF VILLAS PROJECT IN UAE

Al Reef villas comprise over 2300 villas, over 1800 apartments in a mix of studios, a four star hotel and a retail area. Over 200pcs of Super Starlight cameras and 10 NVRs are installed around the whole community. The camera used at commercial area shows great stability and performance at all the night and day time. Tiandy will continue to provide integrated surveillance solution for this upcoming project.

SUCCESSFUL CASES

JORDANIAN CITY OF PETRA IN MIDDLE EAST

Petra(البتراء), originally known to its inhahitants as Stone city, is a historical and archaeological city in southern Jordan. In the entire tourism area of Petra city, 53 Tiandy PTZ cameras were installed. This link is a live image of Tiandy Super Starlight PTZ camera Ultra series model TC-NH62441AA-G. Camera was set up on the high point overlooking the Petra city, to make it possible for visitors from all over the world to see its view.

5-STAR HOTEL IN EGYPT

More than 200 cameras are installed in this project. Products with very high performance, low investment and large returns ensure both operational safety and cost saving. Low illumination, voice speaking, white light, space-saving, intelligent analysis, 24 hour-working , all the functions are combined together to ensure the safety of customers' lives and property and to provide evidence when emergency occurs.

IPC Lite

Lite line as primary products line is cost-effective and easy-to-install, which can be applied to retail stores, warehouses, parking lots and parks, etc. Lite series provides value-added interfaces, such as built-in mic, SD card slot and reset button in hardware, supports two most frequntly used VCA functions, tripwire and perimeter. Lite series provides entry-level intelligent experience. Now fixed cameras with resolution from 2MP to 8MP and motorized cameras with 2MP and 5MP are available for customers. In addition to starlight and super starlight cameras, newly released Color Maker cameras offer a 24 hours full color image.

Key Features

- Starlight/Super Starlight/Color Maker
- Built-in Mic/SD Card Slot/Reset Button
- Supports Tripwire and Perimeter
- ONVIF Profile S/T/G
- S^{+}265

Model	TC-C32WN Spec: I5/E/Y/(M)/2.8mm/V4.0 TC-C32WN Spec: I5/E/Y/(M)/4mm/V4.0	TC-C32WP Spec: I5/E/Y/(M)/2.8mm/V4.0 TC-C32WP Spec: I5/E/Y/(M)/4mm/V4.0	TC-C32XN Spec: I3/E/Y/(M)/2.8mm/V4.0	TC-C32XP Spec: I3/E/Y/(M)/2.8mm/V4.0	TC-C32KN Spec: I3/E/Y/2.8mm/V4.0
Image sensor	1/2.9" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.9" CMOS
Max.image resolution	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)
Min. illumination	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.0008Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.0008Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR
Lens	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps
WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio I/O	Mic in	Mic in	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset Button	Yes	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)
IR LEDs	2	2	2	2	8
IR range	Up to 50m	Up to 50m	Up to 30m	Up to 30m	Up to 30m
Warm Lights	N/A	N/A	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP67	IP67	IP67	IP67	IP67, IK10
Working temperature	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH
Material	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Metal+Plastic

Model	TC-C33WN Spec: I5/E/Y/2.8mm/v2.0 TC-C33WN Spec: I5/E/Y/4mm/v2.0	TC-C33XN Spec: I3/E/Y/2.8mm/v2.0	TC-C33KN Spec: I3/E/Y/2.8mm/V2.0	TC-C34WS Spec: I5/E/Y/(M)/2.8mm/V4.0 TC-C34WS Spec: I5/E/Y/(M)/4mm/V4.0	TC-C34XS Spec: I3/E/Y/(M)/2.8mm/V4.0	TC-C34KS Spec: I3/E/Y/2.8mm/V4.0	TC-C35WS Spec: I5/E/Y/(M)/2.8mm/V4.0 TC-C35WS Spec: I5/E/Y/(M)/4mm/V4.0	TC-C35XS Spec: I3/E/Y/(M)/2.8mm/V4.0
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	3.0MP (2304×1296)	3.0MP (2304×1296)	3.0MP (2304×1296)	4.0MP (2592×1520)	4.0MP (2592×1520)	4.0MP (2592×1520)	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. illumination	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.8mm/4mm	2.8mm	2.8mm	2.8mm/4mm	2.8mm	2.8mm	2.8mm/4mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2304×1296@20fps	2304×1296@20fps	2304×1296@20fps	2560×1440@25fps	2560×1440@25fps	2560×1440@25fps	2592×1944@20fps	2592×1944@20fps
WDR	Digital WDR	Digital WDR	Digital WDR	120dB	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio I/O	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)
IR LEDs	2	2	8	2	2	8	2	2
IR range	Up to 50m	Up to 30m	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 50m	Up to 30m
Warm Lights	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP67	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67	IP67
Working temperature	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH
Material	Metal+Plastic	Metal+Plastic	Metal+Plastic	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Metal+Plastic	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal

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Model	TC-C35KS Spec: I3/E/Y/2.8mm/V4.0	TC-C38WS Spec: I5/E/Y/M/V4.0 TC-C38WS Spec: I5/E/Y/M/4mm/V4.0	TC-C38XS Spec: I3/E/Y/M/2.8mm/V4.0	TC-C38KS Spec: I3/E/Y/2.8mm/V4.0	TC-C32UN Spec: I8/A/E/Y/M/ 2.8-12mm/V4.0	TC-C32SN Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0	TC-C32MN Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0	TC-C35US Spec: I8/A/E/Y/M/ 2.8-12mm/V4.0
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS
Max.image resolution	5.0MP (2592×1944)	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	5.0MP (2592×1944)
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color:0.01Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.8mm	2.8mm/4mm	2.8mm	2.8mm	2.8-12mm	2.8-12mm	2.8-12mm	2.8-12mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592×1944@20fps	3840×2160@20fps	3840×2160@20fps	3840×2160@20fps	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	2592×1944@20fps
WDR	120dB	120dB	120dB	120dB	Digital WDR	Digital WDR	Digital WDR	120dB
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio I/O	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)
IR LEDs	8	2	2	8	4	2	18	4
IR range	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 80m	Up to 30m	Up to 30m	Up to 80m
Warm Lights	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP67, IK10	IP67	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67
Working temperature	-40℃~60℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH
Material	Metal+Plastic	Metal	Metal	Metal+Plastic	Metal	Metal	Metal	Metal

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Model	TC-C35SS Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0	TC-C35MS Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0	TC-C32WP Spec: W/E/Y/(M)/2.8mm(4mm)/V4.0	TC-C32XP Spec: W/E/Y/(M)/2.8mm/V4.0	TC-C34WP Spec: W/E/Y/(M)/2.8mm(4mm)/V4.0	TC-C34XP Spec: W/E/Y/(M)/2.8mm/V4.0	TC-C34UP Spec: W/E/Y/M/4mm/V4.0	TC-C34SP Spec: W/E/Y/M/2.8mm/V4.0
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
Max.image resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	2.0MP (1920×1080)	2.0MP (1920×1080)	4.0MP (2592×1520)	4.0MP (2592×1520)	4.0MP (2560×1440)	4.0MP (2560×1440)
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON) B/W: 0Lux with IR	Color: 0.0008Lux@ (F1.6, AGC ON), 0Lux with LED on	Color: 0.0008Lux@ (F1.6, AGC ON) B/W: 0Lux with LED on	Color: 0.0008Lux@ (F1.6, AGC ON) 0Lux with LED on	Color: 0.0008Lux@ (F1.6, AGC ON) B/W: 0Lux with LED on	Color: 0.0002Lux@ (F1.0, AGC ON) B/W: 0Lux with LED on	Color: 0.0004Lux@ (F1.6, AGC ON) B/W: 0Lux with LED on
Lens	2.8-12mm	2.8-12mm	2.8mm/4mm	2.8mm	2.8mm/4mm	2.8mm	4mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592×1944@20fps	2592×1944@20fps	1920×1080@30fps	1920×1080@30fps	2592×1520@25fps	2592×1520@25fps	2560×1440@25fps	2560×1440@25fps
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio I/O	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (PROFILE S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Profile G)	ONVIF (PROFILE S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Profile G)	ONVIF (PROFILE S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Profile G)	ONVIF (PROFILE S/T/G), SDK, CGI (IE), P2P(Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)
IR LEDs	2	18	N/A	N/A	N/A	N/A	N/A	N/A
IR range	Up to 30m	Up to 30m	N/A	N/A	N/A	N/A	N/A	N/A
Warm Lights	N/A	N/A	2 pcs, 10~15m	2 pcs, 10~15m	2 pcs, 10~15m	2 pcs, 10~15m	4 pcs, 20~30m	2 pcs, 15~20m
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection Level	IP67	IP67, IK10	IP67	IP66	IP67	IP66	IP67	IP67
Working temperature	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH
Material	Metal	Metal	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal	Metal

Model	TC-C35SS Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0 (STARLIGHT)	TC-C35MS Spec: I3/A/E/Y/M/ 2.8-12mm/V4.0 (STARLIGHT)	TC-C32WN Spec: I5/Y/WIFI/4mm/V4.0 (WI-FI)	TC-C32KN Spec: I3/Y/WIFI/2.8mm/V4.0 (WI-FI)
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.9" CMOS	1/2.9" CMOS
Max.image resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	2.0MP (1920×1080)	2.0MP (1920×1080)
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR	Color: 0.02Lux@ (F2.0, AGC ON), B/W: 0Lux with IR
Lens	2.8-12mm	2.8-12mm	4mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592×1944@20fps	2592×1944@20fps	1920×1080@30fps	1920×1080@30fps
WDR	120dB	120dB	Digital WDR	Digital WDR
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	N/A	N/A
Audio I/O	Mic in	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset Button	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone, P2P (Mutually exclusive with Profile G)
IR LEDs	2	18	2	8
IR range	Up to 30m	Up to 30m	Up to 50m	Up to 30m
Warm Lights	N/A	N/A	N/A	N/A
Power supply	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%	DC 12V±25%
Protection Level	IP67	IP67, IK10	IP67	IP67, IK10
Working temperature	-40℃~60℃, 0~95% RH	-40℃~60℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH
Material	Metal	Metal	Metal+Plastic	Metal+Plastic

IPC Pro

Pro Line, as the prime product line of Tiandy, features Starlight/Super Starlight, face capture, advanced intelligent analytics, multi-interface, plugin free and can be applied to small and medium business and various industry projects. 2MP/4MP/5MP/8MP bullet camera, dome camera and turret camera, with fixed or motorized lens, are all available in pro line.

Key Features

· Plugin Free
· Starlight/Super Starlight/Color Maker
· High Frame Rates
· Built-in Mic/Audio I/O/Alarm I/O
· Face Capture Mode
· Video Analysis

Model	TC-C32JS Spec: I5/E/M/N/2.8mm/v4.0 TC-C32JS Spec: I5/E/M/N/4mm/V4.0 (eco STARLIGHT)	TC-C32WS Spec: I5/E/Y/M/2.8mm/V4.0 TC-C32WS Spec: I5/E/Y/M/4mm/V4.0 (eco STARLIGHT)	TC-C32KS Spec: I3/E/Y/M/2.8mm/V4.0 (eco STARLIGHT)	TC-C32XS Spec: I3/E/Y/M/2.8mm/V4.0 (eco STARLIGHT)
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)
Min. illumination	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.8mm/4mm	2.8mm/4mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080,1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080,1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080,1280×720, 704×480, 640×480)
Streams	3	3	3	3
WDR	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification
Face Capture/Recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio I/O	N/A	Mic in	Mic in	Mic in
Alarm I/O	N/A	N/A	N/A	N/A
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	2	2	8	2
IR range	Up to 50m	Up to 50m	Up to 30m	Up to 30m
Warm Lights	N/A	N/A	N/A	N/A
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection Level	IP67	IP67	IP67, IK10	IP67
Working temperature	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH
Material	Metal	Metal	Metal	Metal

Model	TC-C35JS Spec: I5/E/M/N/2.8mm/V4.0 TC-C35JS Spec: I5/E/M/N/4mm/V4.0	TC-C35WS Spec: I5/E/Y/M/H/2.8mm/V4.0 TC-C35WS Spec: I5/E/Y/M/H/4mm/V4.0	TC-C35XS Spec: I3/E/Y/M/H/2.8mm/V4.0	TC-C35KS Spec: I3/E/Y/M/H/2.8mm/V4.0	TC-C38JS Spec: I5/E/M/N/2.8mm TC-C38JS Spec: I5/E/M/N/4mm	TC-C38WS Spec: I5/E/Y/M/H/2.8mm TC-C38WS Spec: I5/E/Y/M/H/4mm
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)	8.0MP (3840×2160)	8.0MP (3840×2160)
Min. illumination	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.8mm/4mm	2.8mm/4mm	2.8mm	2.8mm	2.8mm/4mm	2.8mm/4mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps(2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps(2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps(2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps(2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 20fps (3840×2160,3072×2048), 25fps (2560×1440, 2304×1296, 1920×1080,1280×720) NTSC: 20fps (3840×2160,3072×2048), 30fps (2560×1440, 2304×1296, 1920×1080,1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296, 1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296, 1920×1080,1280×720)
Streams	3	3	3	3	3	3
WDR	120dB	120dB	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Heatmap, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
Face Capture/Recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio I/O	N/A	1/1, Mic in	1/1, Mic in	1/1, Mic in	N/A	1/1, Mic in
Alarm I/O	N/A	1/1	1/1	1/1	N/A	1/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	2	2	2	8	2	2
IR range	Up to 50m	Up to 50m	Up to 30m	Up to 30m	Up to 50m	Up to 50m
Warm Lights	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection Level	IP67	IP67	IP67	IP67, IK10	IP67	IP67
Working temperature	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH
Material	Metal	Metal	Metal	Metal	Metal	Metal

Model	TC-C38XS Spec: I3/E/Y/M/H/2.8mm	TC-C38KS Spec: I3/E/Y/M/H/2.8mm	TC-C32TS Spec: I8/A/E/ Y/M/H/2.7-13.5mm/V4.0	TC-C32TP Spec: I8/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C32SP Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C32MS Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C32MP Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C35TS Spec: I8/A/E/Y/M/H/2.7-13.5mm/V4.0
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	8.0MP (3840×2160)	8.0MP (3840×2160)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	5.0MP (2592×1944)
Min. illumination	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.0004Lux@ (F1.2, AGC ON), B/W: 0Lux with IR	Color: 0.0004Lux@ (F1.2, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.0004Lux@ (F1.2, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.8mm	2.8mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)
Streams	3	3	3	3	3	3	3	3
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
Face Capture/Recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio I/O	1/1, Mic in	1/1, Mic in	1/1	1/1	1/1	1/1, Mic in	1/1, Mic in	1/1
Alarm I/O	1/1	1/1	2/1	2/1	2/1	1/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	2	8	4	4	2	18	18	4
IR range	Up to 30m	Up to 30m	Up to 80m	Up to 80m	Up to 50m	Up to 50m	Up to 50m	Up to 80m
Warm Lights	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection Level	IP67	IP67, IK10	IP67	IP67	IP67	IP67, IK10	IP67, IK10	IP67
Working temperature	-40℃~65℃, 0~95% RH	-40℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH	-35℃~65℃, 0~95% RH
Material	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal

Model	TC-C35TP Spec: I8/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C35MS Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C35MP Spec: I5/A/E/Y/M/H/2.7-13.5mm/V4.0	TC-C38TS Spec: I8/A/E/Y/M/H/2.7-13.5mm	TC-C38SS Spec: I5/A/E/Y/M/H/2.7-13.5mm	TC-C38SS Spec: I5/A/E/Y/M/H/2.7-13.5mm	TC-C38MS Spec: I5/A/E/Y/M/H/2.7-13.5mm
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)
Min. illumination	Color: 0.001Lux@ (F1.3, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.3, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR	Color: 0.01Lux@ (F1.6, AGC ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296,1920×1080,1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296,1920×1080,1280×720)
Streams	3	3	3	3	3	3	3
WDR	120dB	120dB	120dB	120dB	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification
Face Capture/Recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio I/O	1/1	1/1, Mic in	1/1, Mic in	1/1	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm I/O	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone. CGI. P2P	ONVIF (PROFILE S/T/G), SDK, Milestone. CGI. P2P	ONVIF (PROFILE S/T/G), SDK, Milestone. CGI. P2P	ONVIF (PROFILE S/T/G), SDK, Milestone. CGI. P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	4	18	18	2	2	2	18
IR range	Up to 80m	Up to 50m	Up to 50m	Up to 80m	Up to 50m	Up to 50m	Up to 50m
Warm Lights	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection Level	IP67	IP67, IK10	IP67, IK10	IP67	IP67	IP67	IP67
Working temperature	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH
Material	Metal	Metal	Metal	Metal	Metal	Metal	Metal

Model	TC-C34LP Spec: I8/A/E/Y/M/H/2.7-13.5mm	TC-C34MP Spec: I5/A/E/Y/M/H/2.7-13.5mm	TC-A32P6 Spec: E/4mm
Image sensor	1/1.8" CMOS	1/1.8" CMOS	1/2.8" CMOS
Max.image resolution	4.0MP (2560×1440)	4.0MP (2560×1440)	2.0MP (1920×1080)
Min. illumination	Color: 0.0004Lux@ (F1.2, AGC ON), B/W: 0Lux with IR	Color: 0.0008Lux@ (F1.85, AGC ON), B/W: 0Lux with IR	Color: 0.002Lux@ (F1.6, AGC ON)
Lens	2.7-13.5mm	2.7-13.5mm	4mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264
Frame rate	PAL: 25fps (2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)
Streams	3	3	3
WDR	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, EW, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, EW, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	People Counting
Face Capture/Recognition	Face Capture Mode	Face Capture Mode	N/A
Audio I/O	1/1, Mic in	1/1, Mic in	1/1
Alarm I/O	2/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone, CGI, P2P
IR LEDs	4	14	N/A
IR range	Up to 80m	Up to 50m	N/A
Warm Lights	N/A	N/A	N/A
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection Level	IP67	IP67, IK10	IP66
Working temperature	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH
Material	Metal	Metal	Metal+Plastic

IPC Ultra

Ultra-Line is the high-end product line, in which 2MP/5MP/8MP bullet and dome camera with fixed/varifocal lens and 12MP fisheye camera are available. Ultra line, equipped with "Super Starlight" technology, early warning function as well as video analytics, is widely used in medium and large business projects.

Key Features

- EW
- Human/Vehicle Classification
- Built-in Mic& Speaker
- Super Starlight 3.0
- S$^+$265
- Video Analysis
- Mic in/Audio in

Model	TC-A38N5 Spec: 0/A/10-47mm (STARLIGHT)	TC-NC1261 (STARLIGHT)
Image sensor	1/1.8" CMOS	1/1.7" CMOS
Max.image resolution	8.0MP (3840X2160)	12.0MP (4000×3072)
Min. illumination	Color: 0.01Lux@ (F1.35, AGC ON)	Color: 0.05Lux@ (F2.8, AGC ON), B/W: 0Lux with IR
Lens	10-47mm	1.98mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	3840X2160@30fps	4000×3072@20fps
WDR	120dB	Digital WDR
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC
Operation Mode	Face capture/Intelligent Monitoring Mode	Intelligent Monitoring Mode
EWarning	N/A	Yes
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowed, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Video Abnormal, Audio Abnormal, Heat Map
Audio I/O	1/1	1/1, Mic in
Alarm I/O	1/1	2/1
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	N/A	3
IR range	N/A	Up to 20m
White LEDs	6, up to 45m	N/A
Power supply	AC24V±25%	DC12V±10%/AC24V±25%/PoE
Waterproof& dustproof	IP67	IP66, IK10
Working temperature	-35℃～65℃, 0～95% RH	-35℃～65℃, 0～95% RH

Thermal Camera

Tiandy thermal camera adopts uncooled vanadium oxide focal plane detector, which has high temperature measurement accuracy and good imaging effect. Combined with dual lens, thermal and optical lens, and Tiandy's advanced algorithm, Tiandy thermal camera can achieve functions like temperature measurement, fire detection, EWarning and multi-VCA functions and be widely used in airport, station, border, harbor and other occasions with high security requirements.

Key Features

- Thermal& Optical Bi-Spectrum
- Built-in Mic& Speaker
- Supports EWarning
- Video Analysis
- Audio/Alarm I/O

Model	TC-C34LP Spec: I5/E/T/4mm (SUPER STARLIGHT)	TC-H358M Spec: 44X/IT/A (SUPER STARLIGHT)
Thermal Sensor Type	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Thermal Length	Fixed, 3.2mm	Fixed 50mm
Resolution	256×192	384×288
Piexl Interval	12μm	17μm
Response Waveband	8μm~14μm	8μm~14μm
NETD	≤50mK@25 ℃, F1.1, 25Hz	≤40mK@f/1.0
Measurement Range	30℃ (86°F)~45℃ (113°F)	-
Thermal FOV	Horizontal: 51°, Vertical: 38.2°	Horizontal: 7.5°, Vertical: 5.6°
Measurement Accuracy	±0.5℃, ±0.3℃ with Blackbody	-
Main Stream(Thermal)	25fps (1280×960, 1024×768, 640×480, 256×192) 25fps (1280×960, 1024×768, 640×480, 256×192)	PAL: 25fps (384×288) NTSC: 30fps (320×288)
Image sensor	1/1.8"	1/1.8"
Resolution	4.0MP (2560×1440)	5.0MP (3072×1728)
Frame Rate	PAL: 25fps (2560×1440, 1920×1080, 1280×720, 704×576) NTSC: 25fps (2560×1440, 1920×1080, 1280×720, 704×576)	PAL: 25fps (3072×1728), 50fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (3072×1728), 60fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×480, 640×480)
Min. illumination	Color: 0.0002Lux@ (F1.0, AGC ON), B/W: 0Lux with IR	Color: 0.001lux@ (F1.6, AGC ON), BW: 0lux with IR
WDR	120dB	140dB
Optical Zoom	N/A	44×
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture, Early Warning, Fire Detection, Temperature Alarm
Audio I/O	1/1, Mic in	1/1
Alarm I/O	2/1	8/2
Memory slot	Built-in MicroSD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P.
IR LEDs	N/A	11 pcs, 200m
White LEDs	1	2
Power supply	DC12V±20%/PoE	AC24V±15%
Waterproof&dustproof	IP67	IP67
Working temperature	10℃~30℃	-40℃~70℃ (IR OFF), -40℃~40℃ (IR ON), 0-95%RH

PTZ

The full range of Tiandy PTZ equipped with "Starlight" technology provides high picture quality under low illumination. Due to the redesigned PTZ mechanism, PTZ responds quickly up to 240°/sec, and the preset position is more precise. The Ultra Series PTZ supports AEW and is based on the AI deep learning algorithm for precise classification of human/vehicle shapes. When the alarm is triggered, the device links the voice, white light and laser to achieve the warning function.

Key Features

- Defog
- Super Starlight
- AEW
- Human/Vehicle Classification
- Built-in Mic& Speaker
- Video Analysis

Model	TC-H324S Spec:25X/I/E	TC-H324S Spec: 25X/I/E/V	TC-H326S Spec: 25X/I/E/C	TC-H326S Spec: 33X/I/E
Image sensor	1/2.8"	1/2.8"	1/2.8"	1/2.8"
Resolution	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)
Frame Rate	PAL: 25fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480) NTSC: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 640×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 640×480)
Min. illumination	Color: 0.002lux@ (F1.5, AGC ON), BW: 0lux with IR	Color: 0.001lux@ (F1.5, AGC ON), BW: 0lux with IR	Color: 0.001lux @ (F1.5, AGC ON), BW: 0lux with IR	Color: 0.001lux@ (F1.5, AGC ON), BW: 0lux with IR
WDR	140dB	140dB	140dB	140dB
Optical Zoom	25×	25×	25×	33×
Digital Zoom	16×	16×	16×	16×
Video Compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500	500	500
Auto-Tracking	N/A	N/A	N/A	N/A
Early Warning (EW)	N/A	N/A	N/A	N/A
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Crowd, Demographics(People Counting), On Duty Detection, Video Abnormal, Audio Abnormal, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Video Abnormal, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Video Abnormal, Audio Abnormal, Face Capture
Audio I/O	1/1	1/1	N/A	1/1
Alarm I/O	1/1	1/1	N/A	1/1
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LEDs	6 pcs, 150m	6 pcs, 150m	6 pcs, 150m	6 pcs, 150m
White LEDs	N/A	N/A	N/A	N/A
Laser	N/A	N/A	N/A	N/A
Power supply	DC12V±10%/POE+	DC12V±10%/POE+	DC12V±10%/POE+	AC24V±15%/POE+
Waterproof& dustproof	IP66	IP67	IP67	IP67
Working temperature	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-30°C~65°C (IR OFF), -30°C~40°C (IR ON), 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH

Model	TC-H356S Spec: 30X/I/E++/A	TC-H326M Spec:44X/IW/A	TC-H356Q Spec:30X/IW/E++/A	TC-A3563 Spec: 44X/I/A	TC-H358M Spec: 44X/IL/A	TC-A35555 Spec: 0/A/2.8-12mm/9-54mm	TC-H389M Spec: 44X/LW/P/A
Image sensor	1/2.8"	1/1.8"	1/2.8"	1/1.8"	1/1.8"	PTZ-bullet: 1/1.8" Speed Dome: 1/1.8"	1/1.8"
Resolution	5.0MP(2592×1080)	2.0MP (1920×1080)	5.0MP(2592×1944)	5.0MP (3072×1728)	5.0MP (3072×1728)	5.0MP/5.0MP (3072×1728)	8.0MP (4096×1800)
Frame Rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 20fps (3072×1728), 25fps (2560×1440, 2304×1296), 50fps (1920×1080, 1280×960, 1280×720) NTSC: 20fps (3072×1728), 30fps (2560×1440, 2304×1296), 60fps (1920×1080, 1280×960, 1280×720)	PAL: 25fps (3072×1728), 50fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (3072×1728), 60fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×480, 640×480)	PTZ-bullet: 3072×1728@20fps Speed Dome: 3072×1728@20fps	PTZ Camera: 1920×1080@60fps Panaromic camera: 4096×1800@30fps
Min. illumination	Color: 0.001lux@ (F1.5, AGC ON), BW: 0lux with IR	Color: 0.0008lux@ (F1.6, AGC ON), BW: 0lux with IR	Color: 0.001lux@ (F1.5, AGC ON), BW: 0lux with IR	Color: 0.0008lux@ (F1.6, AGC ON)	Color: 0.001lux@ (F1.6, AGC ON), BW: 0lux with IR	PTZ-bullet: Color: 0.0008Lux@ (F1.36, AGC ON), BW: 0lux with IR Speed Dome: Color: 0.0008Lux@ (F1.35, AGC ON), BW: 0lux with IR	Color: 0.0008Lux@ (F1.5, AGC ON)
WDR	140dB	140dB	140dB	140dB	140dB	PTZ-bullet: 120dB Speed Dome: 140dB	140dB
Optical Zoom	30×	44×	30×	44×	44×	PTZ-bullet: 4× Speed Dome: 6×	44×
Digital Zoom	16×	16×	16×	16×	16×	16×	16×
Video Compression	S+265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	16, up to 32 presets per cruise	Speed Dome: 16, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500	500	500	500	PTZ-bullet: 256 Speed Dome: 500	500
Auto-Tracking	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Early Warning (EW)	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd, Audio Abnormal, People Counting, On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Heatmap, Video Abnormal, Crowd, Audio Abnormal, People Counting, Crowed, On Duty Detection, Video Detection,Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection
Audio I/O	1/1	1/1	1/1	1/1	1/1	2 Mic, 1/1	1/1
Alarm I/O	8/2	8/2	8/2	8/2	8/2	3/2	8/2
Memory slot	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LEDs	10 pcs, 200m	8 pcs, 200m	8 pcs, 200m	8 pcs, 180m	11 pcs, 200m	6 pcs, 100m	N/A
White LEDs	N/A	2	2	2	2	4 pcs, 30m	N/A
Laser	N/A	N/A	N/A	N/A	Yes, 800m	N/A	Yes, 500m
Power supply	AC24V±15%/POE++	AC24V±15%	AC24V±15%/POE++	AC24V±15%	AC24V±15%	AC24V±15%, DC24V±10%	AC24V±15%
Waterproof&dustproof	IP67	IP67	IP67	IP66	IP67	IP66	IP66
Working temperature	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-30°C~65°C, 0-95%RH	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH	-40°C~70°C, 0-95%RH	-30°C~65°C, 0~95% RH

NVR Lite

Tiandy Lite N NVR provides the most cost efficient choice for those whose main market is distribution channels. Where IP cameras at 2MP resolution are popular, Lite N series products will be the best choice. Lite K series NVR also faces to distribution market. Models in Lite K series provide a most cost-efficient true 4K system, they are the most suitable products for regions, where IP cameras at 5MP or 8MP resolution are popular. Lite H series NVR faces to small business market. Powerful ability of this series could cover most of requirements in small projects. The price of the Lite series pays for the performance of the Pro series.

Key Features

- S$^+$265
- Lite K 1×8MP decoding
- Lite H 4×8MP decoding
- EWarning
- P2P connection

Model	TC-R3105 Spec: I/B/W (Kits, Wi-Fi, LITE-N)	TC-R3105 Spec: I/B/L/(Eu) (SUPER LITE, LITE-N)	TC-R3105 Spec: I/B/P/V3.0 (PoE, LITE-N)
Video Input	5-ch	5-ch	5-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	50Mbps/40Mbps	50Mbps/40Mbps	50Mbps/40Mbps
Recording Resolution	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF
HDD (SATA)	1 HDD	1 HDD	1 HDD
RAID	N/A	N/A	N/A
POE	N/A	N/A	4×RJ45 self-adaptive 10/100 Mbps network interfaces
Audio Input	N/A	N/A	1-ch, 3.5mm
Audio Output	1×RCA	N/A	1×RCA
Alarm I/O	N/A	N/A	0/1
HDMI/VGA	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Early warnning, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera
Network Interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface
Power supply	DV12V, ≤18W (without HDD)	DC12V, ≤10W (without HDD)	DC48V, ≤20W (without HDD)
Working temperature	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH
Chassis	1U	1U	1U

Model	TC-R3110 Spec:I/B/P8/V3.0 (PoE, LITE-N)	TC-R3105 Spec: I/B/P4/K/V3.0 (PoE, LITE-K)	TC-R3110 Spec: I/B/P8/K/V3.0 (PoE, LITE-K)	TC-R3210 Spec: I/B/P8/K/V3.0 (PoE, LITE-K)	TC-R3220 Spec: I/B/P16/K/V3.0 (PoE, LITE-K)	TC-R3220 Spec: I/B/P/H (PoE, LITE-H)
Video Input	10-ch	5-ch	10-ch	10-ch	20-ch	20-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	50Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps	120Mbps/100Mbps	120Mbps/100Mbps	200Mbps/200Mbps
Recording Resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1×6MP, 1×5MP, 1×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 5×720P, 5×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4Mp, 2×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4Mp, 2×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 20×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP,9×3MP, 16×1080P, 20×720P, 20×4CIF
HDD (SATA)	1 HDD	1 HDD	1 HDD	2 HDDs	2 HDDs	2 HDDs
RAID	N/A	N/A	N/A	N/A	N/A	N/A
POE	8×RJ45 self-adaptive 10/100 Mbps network interfaces	4×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	16×RJ45 self-adaptive 10/100 Mbps network interfaces	16×RJ45 self-adaptive 10/100 Mbps network interfaces
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
Alarm I/O	0/1	4/1	4/1	4/1	4/1	0/1
HDMI/VGA	1/1	1/1	1/1	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon,Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera	Tripwire, Double Tripwire, Perimeter, Object Abandon,Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Safety Helmet Detection, People Counting, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition
Network Interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface	1×RJ45 self-adaptive 10/100/1000 Mbps network interface
Power supply	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)
Working temperature	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH
Chassis	1U	1U	1U	1U	1U	1U

Model	TC-R3105 Spec: I/B/V3.0 (LITE-N)	TC-R3110 Spec: I/B/V3.0 (LITE-N)	TC-R3120 Spec: I/B/V3.0 (LITE-N)	TC-R3105 Spec: I/B/K/V3.0 (LITE-K)	TC-R3110 Spec: I/B/K/V3.0 (LITE-K)
Video Input	5-ch	10-ch	20-ch	5-ch	10-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	50Mbps/40Mbps	50Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Recording Resolution	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P,5×720P, 5×4CIF	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 20×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 5×720P, 5×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF
HDD (SATA)	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD
RAID	N/A	N/A	N/A	N/A	N/A
POE	N/A	N/A	N/A	N/A	N/A
Audio Input	N/A	N/A	N/A	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
Alarm I/O	N/A	N/A	N/A	4/1	4/1
HDMI/VGA	1/1	1/1	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting
Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface
Power supply	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)
Working temperature	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH
Chassis	1U	1U	1U	1U	1U

Model	TC-R3120 Spec: I/B/K/V3.0 (LITE-K)	TC-R3210 Spec: I/B/K/V3.0 (LITE-K)	TC-R3220 Spec: I/B/K/V3.0 (LITE-K)	TC-R3240 Spec: I/B/N/H (LITE-H)	TC-R3420 Spec: I/B/N/H/C (LITE-H)	TC-R3440 Spec: I/B/N/H/C (LITE-H)
Video Input	20-ch	10-ch	20-ch	40-ch	20-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/ H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	120Mbps/100Mbps	120Mbps/100Mbps	320Mbps/320Mbps	200Mbps/200Mbps	200Mbps/200Mbps
Recording Resolution	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 20×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4MP, 2×3MP, 4×1080P, 8×720P, 10×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 40×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P, 20×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 40×4CIF
HDD (SATA)	1 HDD	2 HDDs	2 HDDs	2 HDDs	4 HDDs	4 HDDs
RAID	N/A	N/A	N/A	N/A	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10
POE	N/A	N/A	N/A	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
Alarm I/O	4/1	4/1	4/1	16/4	N/A	N/A
HDMI/VGA	1/1	1/1	1/1	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking,People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking,People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition
Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)
Working temperature	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH	-10℃～55℃, 10%~90%RH
Chassis	1U	1U	1U	1U	1.5U	1.5U

NVR Pro&Ultra

Pro & Ultra series faces to SMB project. It could be used as an item, which could control the bid due to their powerful index of interfaces and bandwidth.
Tiandy NVR provides 25% more access than regular products, which enables plug and play, automaticlly adds IPC, quickly plots without configuration and supports one button to enable S+265 to save 50% of storage space than H.265. In addition, it automatically matches the screen's optimal resolution, and supports up to 64 channels of simultaneous preview and 16 channels of 1080p video playback.

Key Features

- S⁺265
- Pro 4×8MP decoding
- EWarning
- Plug and play
- P2P connection

Model	PoE PRO TC-R3210 Spec: I/B/P8/H	PoE PRO TC-R3220 Spec: I/B/P8/H	PoE PRO TC-R3220 Spec: I/B/P16/H	RAID PRO TC-R3440 Spec: I/B/N
Video Input	10-ch	20-ch	20-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/CIF/CIF/QCIF
Decoding	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 10×1080P, 10×720P	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P
HDD (SATA)	2 HDDs	2 HDDs	2 HDDs	4 HDDs
eSATA	N/A	N/A	N/A	N/A
RAID	N/A	N/A	N/A	JBOD,RAID0/1/5/6/10
POE	8xRJ45 self-adaptive 10/100 Mbps network interfaces	8xRJ45 self-adaptive 10/100 Mbps network interfaces	16xRJ45 self-adaptive 10/100 Mbps network interfaces	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA	1×RCA
Alarm I/O	16/4	16/4	16/4	16/4
HDMI/VGA	1/1	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition
Network Interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interface
Power supply	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	DC12V 5A, ≤40W (without HDD)
Working temperature	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH
Chassis	1U	1U	1U	1.5U

Model	RAID PRO TC-R3840 Spec: I/B/N	RAID PRO TC-R3880 Spec: I/B/N	REDUNDANT RAID PRO TC-R3840 Spec: E/B/R/N
Video Input	40-ch	80-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P
HDD (SATA)	8 HDDs	8 HDDs	8 HDDs
eSATA	1	1	1
RAID	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10
POE	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
Alarm I/O	16/4	16/4	16/4
HDMI/VGA	2/2	2/2	2/2
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera
Network Interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	AC100~240V, 50/60Hz, ≤80W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD), Redundant Power Supply
Working temperature	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH	-10℃~55℃, 10%~90%RH
Chassis	2U	2U	2U

AI NVR

Based on deep learning technology, Tiandy NVR has face recognition function for cameras with/without facial capture function, which is widely used in hospitals, gas stations, supermarkets for attendance and personnel identification. With Tiandy face capture camera, multi-channel face recognition can be achieved with higher accuracy. Tiandy offers a variety of face recognition devices. The 5-way AI NVR provides a cost-efficient face recognition solution. If you need a higher performance face recognition NVR, there are up to 16 pictures steam AI NVRs to choose.

Key Features

- S$^+$265
- Face Recognition
- EWarning
- Human/Vehicle Classification

Model	TC-R3210 Spec: I/F (FACE)	TC-R3820 Spec: I/F/N (RAID FACE)
Video Input	10-ch	20-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	400Mbps/200Mbps
Recording Resolution	6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/5MP/4MP/1080p/960p/720p/D1/2CIF/CIF
Decoding	1×5MP, 1×4MP, 3×1080P, 5×720P, 10×4CIF	2×12MP, 3×4K, 5×5MP, 7×4MP, 15×1080P, 30×720P, 20×4CIF
HDD (SATA)	2 HDDs	8 HDDs
eSATA	N/A	1
RAID	N/A	JBOD,RAID0/1/5/10
POE	N/A	N/A
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×3.5mm, 1×BNC
Alarm I/O	0/1	16/4
HDMI/VGA	1/1	2/2
Face Library/Pictures	300/100,000	300/100,000
Face Recognition Capability	1 Video Stream / 5 Picture Steam	8 Video Stream / 16 Picture Steam
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Auto tracking, People Counting, Compatible with Face capture camera	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition
Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	DC12V 3.33A, ≤10W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)
Working temperature	-10℃~55℃, 10%~90% RH	-10℃~55℃, 10%~90% RH
Chassis	1U	2U

Decoder

Tiandy Decoder is qualified with extraordinary decoding capacities. This series of decoders support two modes: 9-channel output and 16-channel output. Decoders support up to 12MP resolution and 256-channel decoding channel display. And the decoding bandwidth climbs to 400 Mbps which is capable to satisfy user's and project's demands. Tiandy encapsulation format, RTSP and Onvif protocol are supported in devices which ensures the compatibility with third parties.

Key Features

- 9 channels & 16 channels options
- Up to 12 MP resolution
- 400 Mbps decoding bandwidth
- S+265 compression
- Video wall display decoding

Model	TC-N349A	N3416A
Video/Audio input	2 HDMI	2 DVI-I & 2 HDMI
Input resolution	3840×2160@30fps, 1920×1080@60fps, 1440×900@60fps 1366×768@60fps, 1280×1024@60fps, 1280×960@60fps 1280×800@60fps, 1280×720@60fps, 1024×768@60fps 800×600@60fps	3840×2160@30fps, 1920×1080@60fps, 1440×900@60fps 1366×768@60fps, 1280×1024@60fps, 1280×960@60fps 1280×800@60fps, 1280×720@60fps, 1024×768@60fps 800×600@60fps
HDMI outputh	9-ch 3840×2160@30(only for 1,5,9 interface) 1920×1080@60fps, 1280×720@60fps, 1280×800@60fps 1440×900@60fps, 1280×1024@60fps, 1366×768@60fps 1024×768@60fps, 800×600@60fps	16-ch 3840×2160@30(only for 1,5,9,13 interface) 1920×1080@60fps, 1280×720@60fps, 1280×800@60fps 1440×900@60fps, 1280×1024@60fps, 1366×768@60fps 1024×768@60fps, 800×600@60fps
Decoding resolution	Up to 12MP	Up to 12MP
Decoding channel	144-ch	256-ch
Decoding capability	12MP@25fps: 9-ch, 8MP@25fps: 12-ch 6MP@25fps: 18-ch, 5MP@25fps: 24-ch 4MP@25fps: 27-ch, 3MP@25fps: 36-ch 1080P@30fps: 48-ch, 720P@30fps: 108-ch 960H@30fps: 144-ch, D1@30fps: 144-ch 1080P@60fpsfps: 24-ch	12MP@25fps: 12-ch, 8MP@25fps: 16-ch 6MP@25fps: 24-ch, 5MP@25fps: 32-ch 4MP@25fps: 36-ch, 3MP@25fps: 48-ch 1080P@30fps: 64-ch, 720P@30fps: 144-ch 960H@30fps: 192-ch, D1@30fps: 256-ch 1080P@60fpsfps: 32-ch
Split screen	1×1, 1×2, 1×3, 2×1: 1/2/3/4/6/8/9/10/13/16 2×2, 1×4, 2×3, 2×4, 3×2, 4×2: 1/2/3/4/6/8/9/10/13/16/20/25/36 3×3: 1/2/3/4/6/8/9/10/13/16/20/25/36/40/64/81	1×1, 1×2, 1×3, 2×1: 1/2/3/4/6/8/9/10/13/16 1×4, 1×5, 1×6, 1×7, 1×8, 2×2, 2×3, 2×4, 3×2, 3×3, 4×2: 1/2/3/4/6/8/9/10/13/16/20/25/36 2×5, 2×6, 2×7, 2×8, 3×4, 3×5, 4×3, 5×2, 5×3: 1/2/3/4/6/8/9/10/13/16/20/25/36/40/64/81 4×4: 1/2/3/4/6/8/9/10/13/16/20/25/36/40/64/81/100
Decoding format	Tiandy encapsulation format, ONVIF, RTSP	Tiandy encapsulation format, ONVIF, RTSP
Decoding bandwidth	400Mbps	400Mbps
Network interface	2, 10/100/1000 Mbps self-adaptive management network interface	2, 10/100/1000 Mbps self-adaptive management network interface
Serial interface	2×RS-232 (1×RJ45), 2×RS-485	2×RS-232 (1×RJ45), 2×RS-485
USB interface	1×USB 3.0, 2×USB 2.0	1×USB 3.0, 2×USB 2.0
Audio input	1-ch, 3.5 mm connector	1-ch, 3.5 mm connector
Audio output	1-ch, 3.5 mm connector	1-ch, 3.5 mm connector
Alarm input	8	8
Alarm output	8	8
Power supply	AC220V	AC220V
Power consumption	≤57W	≤73W
Redundant power supply	N/A	Support
Reset button	Support	Support
Working temperature	-10℃~55℃	-10℃~55℃
Weight	5.25kg (11.57lb)	8.2kg (18.07lb)

Face Recognition Terminal

As the way to ensure costumer's convenience, face recognition terminal aims to realize touch-free access control. With the 8-inch LCD touch screen, the management of the user's face library is directly manipulated in the display screen. 2MP wide-angle lens and excellent performance processor corporate to provide rapid and accurate face recognition results. Based on security considerations, multiple authentication modes are added to the terminal which secures the data. Instant reaction saves customer's time costs. All the safety concerns can be resolved by this terminal.

Key Features

· 8-inch LCD touch screen
· Touch-free control
· 2MP wide-angle lens
· 0.3s reaction time
· Stand-alone operation
· 50000 cards and 10000 face picture recording

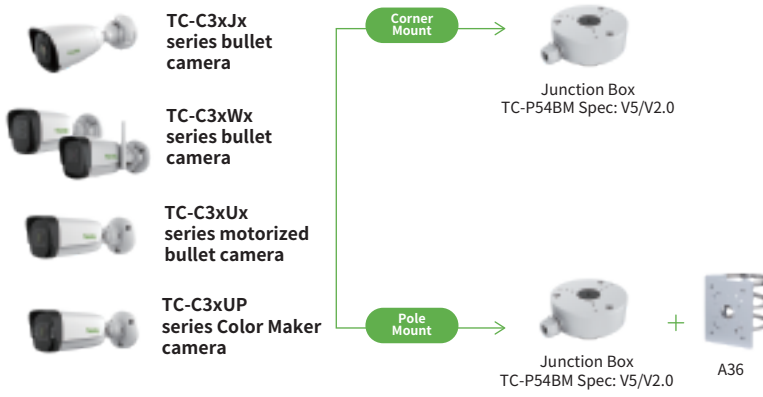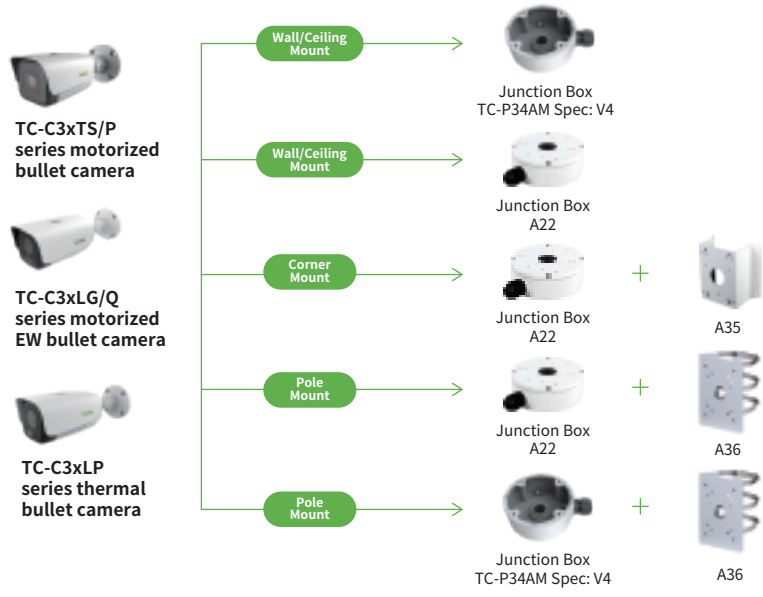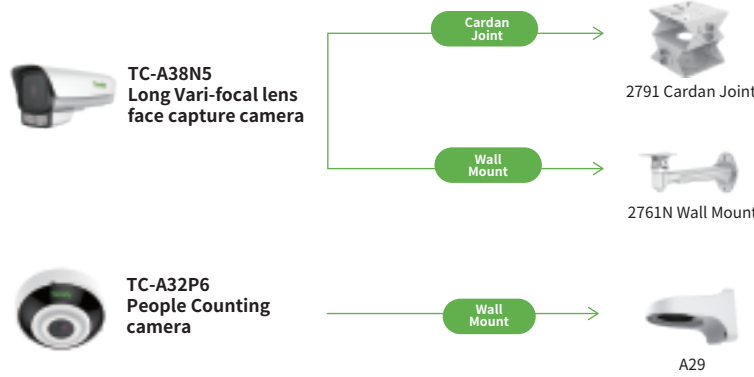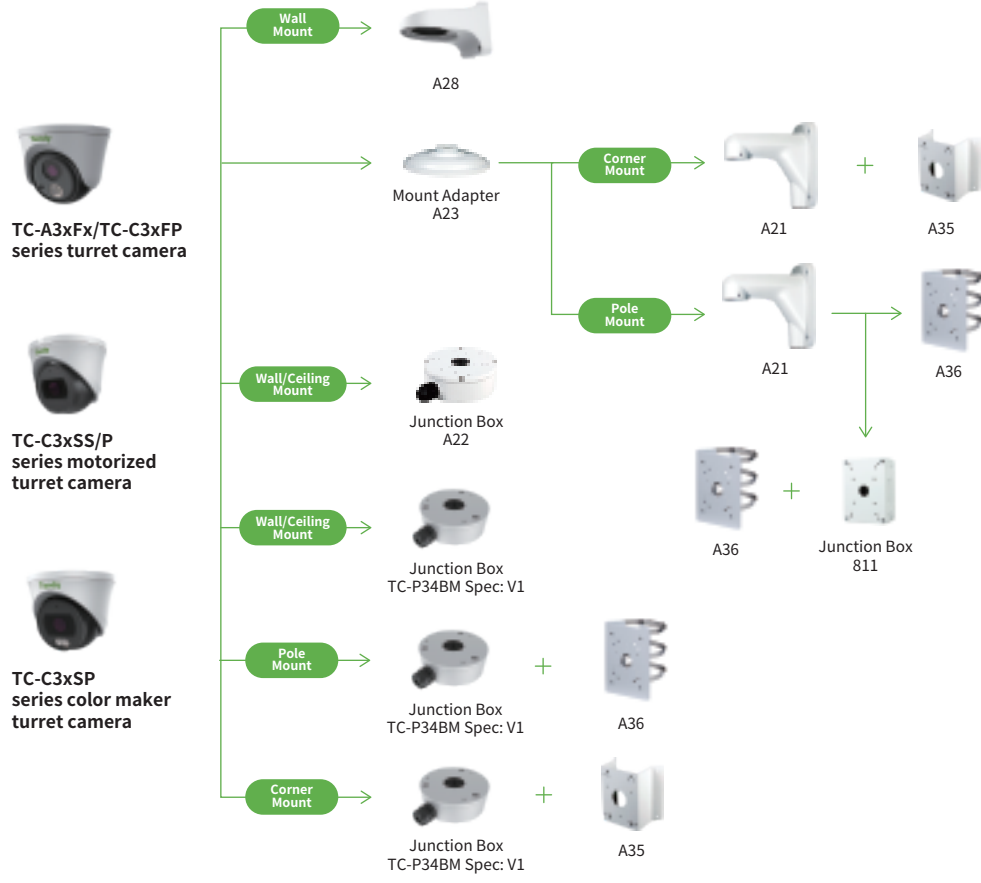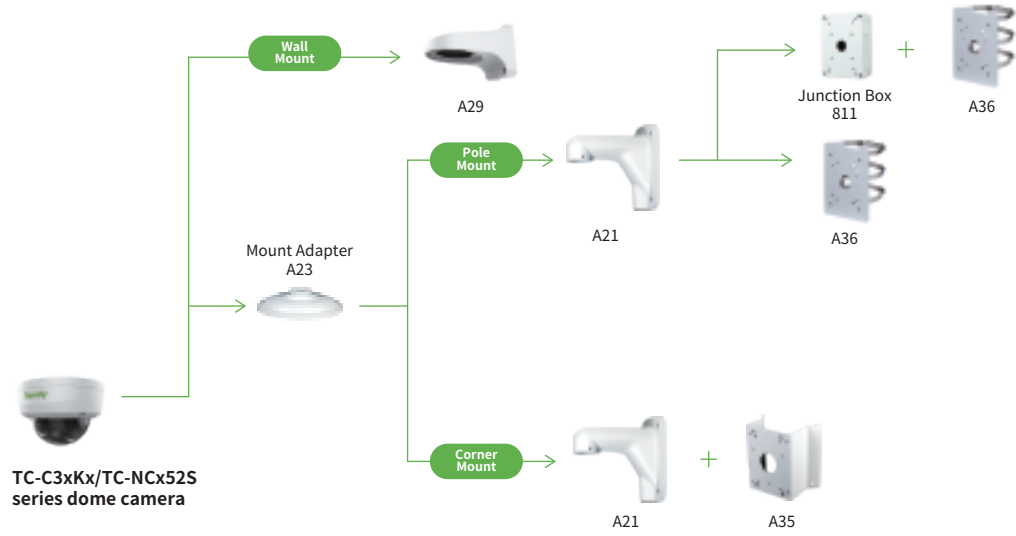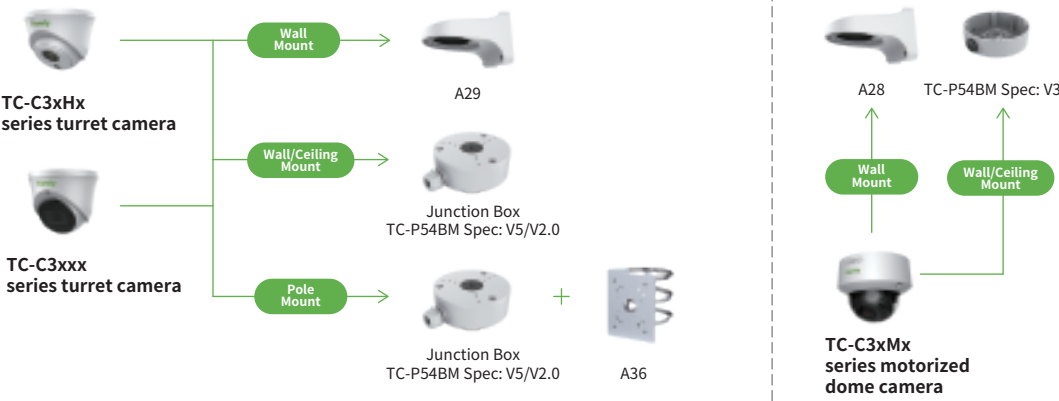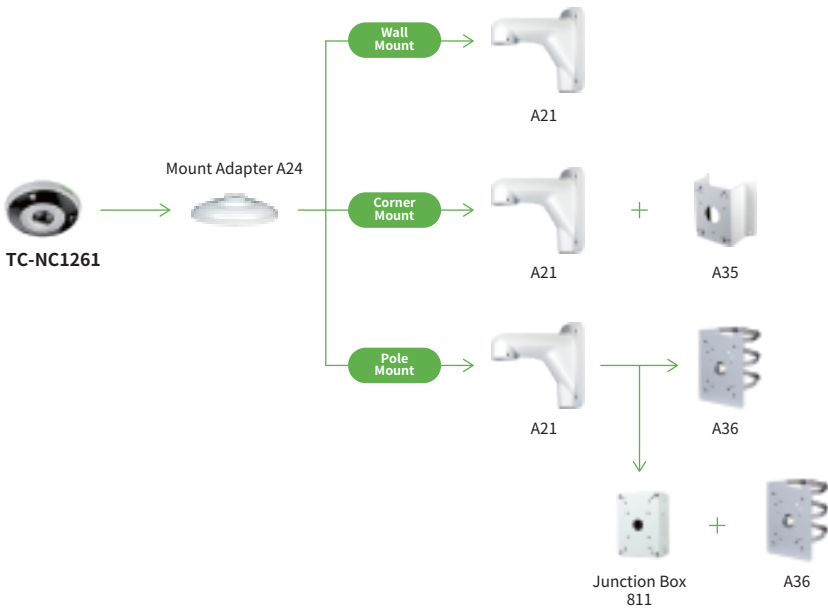| Model	
	TC-P3010
Operation System	Embedded Linux System
LCD Screen	8-inch LCD Touch Screen Resolution: 1280×800
Camera	2MP, true WDR, Wide-Angle Lens
1:N Face Recognition Duration	≤0.3s/Person
Face Recognition Accuracy Rate	≥99%
Face Recognition Distance	0.3 m to 2 m
Face Picture Capacity	10000, JPG
Card Capacity	50,000
Event Capacity	100,000
Audio Output	1×RCA
Communication Mode	10/100 Mbps Self-Adaptive Network Interface
Interface	RS-485×1, Wiegand×1, USB×1, Sensor×1, Exit Button×1, Tamper×1, Alarm Input×2, Alarm Output×1, Door Lock×1
Power Supply	12VDC/2A (Centralized Power Supply)
Working Temperature	-20 °C ~ 60 °C
Working Humidity	0% to 90% RH
Installing Method	Wall Mounting (With/Without Gang Bracket)
Dimensions	240×132×33mm (9.45×5.20×1.30inch)
Application Situation	Indoor/Outdoor
Protection Level	IP65
Power Consumption	≤14W

VMS: K2000

K2000 is the integration server that supports up to 50 face recognition cameras connection.
The internal complete software system provides up to 24 HDD disks storage. Equipped with higher bandwidth, video storage capability has been increased to 256 channels in H.265.
The K2000's space-saving design can greatly save customer's deployment costs and provides unimaginable convenience when it comes to transportation. Therefore, K2000 ranks as the best solution for small and medium projects.

Key Features

· 24 HDD slots
· 256 recording channels
· Intel CPU
· 10000 persons information storage
· Integrated with VCA

Model	
	TC-S36424 Spec: T/4U
CPU	Intel 64-bit multicore processor
Memory	24GB (3×8GB, 4 memory slots), maximum 64G
OS HDD	32G SSD
Network interface	4xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Data HDD	Up to 24 disks
HDD type	2.5" or 3.5" SATA
HDD capacity	4/6/8TB enterprise HDD 4/6/8/10TB surveillance HDD
Interfaces	2 USB 2.0 ports in front panel, 2 USB 3.0 ports in rare panel 2 HDMI, 1 VGA 2 RS485, 1 RS232 8 alarm input, 4 alarm output
RAID	RAID 0/1/5/6/10/50/60
Power supply	Rated power: 800W Peak power: 500W
Working temperature	0℃ ~40℃, 10% ~ 90%(RH)
Management platform	WEB GUI
Management software	IPC access management, Recording file management, Alarm linkage
IPC channels	2000
User account	100
Icon overlay on map	1000
Person information	10000
Face recognition camera access	Maximum 50
ANPR camera access	Maximum 25
Access control PAD (ID card)	Maximum 70
Log record	500,000 per 90 days
Alarm record	5,000,000 per 90 days
Face Pad record	3,000,000 per 90 days
Face capture record	2,000,000 per 90 days
Attendace record(1000 people)	365,000 per year
GPS location reported	10/S
Access users	50
Online users	100
Access APP	100
Alarm go off per second	8
Picture performance	Send/Receive 25 pictures/S Less than 550K each picture, up to 18,000 pictures every day
Video storage capability (Video storage only)	Up to 256 channels (2Mbs, H.265)
Video forwarding capability (Video storage only)	Up to 200 channels forwarding and decoding combined (2Mbs, H.265)
Decoding capability (Video storage only)	Up to 144 channels in main stream, 384 channels in substream (1080P 2Mbs H265)
Video switching (Video storage only)	Up to 40 channels in main stream, 384 channels in substream (1080P 2Mbs H265)

Mount Accessories

TC-C3xHx
series turret camera

TC-C3xxx
series turret camera

Wall Mount — A29

Wall/Ceiling Mount — Junction Box TC-P54BM Spec: V5/V2.0

Pole Mount — Junction Box TC-P54BM Spec: V5/V2.0 + A36

A28 TC-P54BM Spec: V3

Wall Mount / Wall/Ceiling Mount

TC-C3xMx
series motorized dome camera

TC-NC1261

Mount Adapter A24

Wall Mount — A21

Corner Mount — A21 + A35

Pole Mount — A21 + A36

Junction Box 811 + A36

Mount Adapter A23

Wall Mount — A29

Pole Mount — A21 — Junction Box 811 + A36 / A36

Corner Mount — A21 + A35

TC-C3xKx/TC-NCx52S
series dome camera

TC-A3xFx/TC-C3xFP
series turret camera

TC-C3xSS/P
series motorized turret camera

TC-C3xSP
series color maker turret camera

Wall Mount — A28

Mount Adapter A23

Corner Mount — A21 + A35

Pole Mount — A21 + A36

Wall/Ceiling Mount — Junction Box A22

Wall/Ceiling Mount — Junction Box TC-P34AM Spec: V1 — A36 + Junction Box 811

Pole Mount — Junction Box TC-P34AM Spec: V1 + A36

Corner Mount — Junction Box TC-P34AM Spec: V1 + A35

TC-C3xTS/P
series motorized bullet camera

TC-C3xLG/Q
series motorized EW bullet camera

TC-C3xLP
series thermal bullet camera

Wall/Ceiling Mount — Junction Box TC-P34AM Spec: V4

Wall/Ceiling Mount — Junction Box A22

Corner Mount — Junction Box A22 + A35

Pole Mount — Junction Box A22 + A36

Pole Mount — Junction Box TC-P34AM Spec: V4 + A36

TC-A38N5
Long Vari-focal lens face capture camera

Cardan Joint — 2791 Cardan Joint

Wall Mount — 2761N Wall Mount

TC-A32P6
People Counting camera

Wall Mount — A29

TC-C3xJx
series bullet camera

TC-C3xWx
series bullet camera

TC-C3xUx
series motorized bullet camera

TC-C3xUP
series Color Maker camera

Corner Mount — Junction Box TC-P54BM Spec: V5/V2.0

Pole Mount — Junction Box TC-P54BM Spec: V5/V2.0 + A36

4 inch PTZ camera

- Wall Mount → TC-P52BM Spec: 4
- Corner Mount → TC-P52BM Spec: 4 + Junction Box 811 (Optional) + A35
- Pole Mount → TC-P52BM Spec: 4 + Junction Box 811 (Optional) + A36
- Pendent Mount → DF21Y
- Pendent Mount → A37

8 inch Dual PTZ camera

- Wall Mount → TC-P52BM Spec: 5/G
- Celling Mount → TC-P52AM Spec: 5/G

6 inch PTZ camera

- Wall Mount → DF20Y
- Corner Mount → DF20Y + Junction Box 811 (Optional) + A35
- Pole Mount → DF20Y + Junction Box 811 (Optional) + A36

8 inch PTZ camera

- Pendent Mount → DF21Y

9 inch PTZ camera

- Pendent Mount → A37 + A38 + Junction Box 811 (Optional) + A36

Tiandy Naming Rules V3.0

Network Camera

		example:	TC-C32WN Spec:I5/E/Y/4mm	2MP IR Mini Bullet Camera				
Company	Product		Resolution	Type	Effect	Light supplement	Functions	Lens	Version
TC-	C	3	2	W	N	Spec: I5	/E/Y	/4mm	
Tiandy Product	C- IP Camera	Overseas model	2- 2MP	A- Box	N- Normal	N/A- NO IR	E- PoE	2mm	N/A: V1.0
	A- AI IPC		3- 3MP	B/D/E/W- Fix Bullet	S- Starlight	I2- 20m IR	A- ABF/Motorized	2.8mm	V2.0: V2.0
			4- 4MP	F/H/X- Fix Turret	P- Super Starlight	I3- 30m IR	C- Eco series	3.6mm	V3.0: V3.0
			5- 5MP	G- Mini Bullet	U- Super Starlight V3.0	I5- 50m IR	J- Distortion correction	4mm	V4.0: V4.0
			8- 8MP	J- Metal Mini Bullet	X- Super Starlight V4.0	I8- 80m IR	D - SDI	6mm	
			12- 12MP	K- Mini Dome	V- Normal EW	W- White Light	YX- Super Mini	8mm	
				L/T/U- VF Bullet	Q- Starlight EW		Y- Audio	2.8-12mm	
				M- VF Dome	G- Super Starlight V3.0 EW		0- ST series	2.7-13.5mm	
				N- Longrange Bullet	T- Super Starlight V4.0 EW		1- KS series		
				P- Super Mini	2- Face Capture		2- TD series		
				Q- Fisheye	4- Face Recognition		WIFI - Wifi		
				S- VF Turret	6- People Counting		T- Thermal		
							M- Metal housing		
							H- Full interfaces		
							N- Cable Free		

PTZ Camera

		example:	TC-H358M Spec: 44X/IL/A	5MP 44X Super Starlight IR Laser EW PTZ Camera				
Company	Product		Resolution	Size	Effect	Zoom	Light supplement	Functions	version
TC-	H	3	5	8	M	Spec: 44X	IL	A	
Tiandy Product	H- PTZ	Overseas model	2- 2MP	3- 3inch	S- Starlight	04- 4x	I- IR	E- POE	N/A: V1.0
	A- Face Capture PTZ		3- 3MP	4- 4inch	P- Super Starlight	20- 20x	L- Laser	E+- POE+	V2.0: V2.0
			5- 5MP	6- 6inch	U- Super Starlight V3.0	25- 25x	W- White Light	E++- POE++	
			8- 8MP	9- 9inch	X- Super Starlight V4.0	30- 30x	N/A- Speed	P- Panoramic	
					Q- Starlight EW	33- 33x	T- Thermal	A- Auto-tracking	
					M- Super Starlight EW	44- 44x		V- Intelligent	
					G- Super Starlight V3.0 EW	63 - 63x		C- Eco series	
					T- Super Starlight V4.0 EW			4G- Support 4G	
					3- Face Capture				
					5- Video Structure				

NVR

		example:	TC-R3220 Spec:I/B/P16/K	H.265 20ch 2HDD POE NVR			
Company	Product		Hard Drive	Input	Structure Type	VCA	Functions	version
TC-	R	3	2	20	Spec: I	B	P16 / K	
Tiandy Product	NVR	Overseas model	1- 1HDD	05- 5CH	I- Internal HDD Installation	B- Basis	N/A- Default	N/A: V1.0
			2- 2HDD	10- 10CH	E- External HDD Installation	C- Car	P- POE	V2.0: V2.0
			4- 4HDD	20- 20CH		F- Face	C- Eco series	V3.0: V3.0
			8- 8HDD	40- 40CH			K- 4K Decoding	
				80- 80CH			H- Enhanced	
							N- Multiple network ports	
							R- Redundant Power	
							X- XVR	