

SMART IP SOLUTION

Super Starlight · Early Warning · Face Recognition

Tiandy

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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.9 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 44X 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 and be able to find a way to meet your needs.



2019 Security 50 by a&s Magazine



TECHNOLOGY HIGHLIGHTS

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SMART IP SOLUTION



TVP®
Transcendent Video
Processing



S+265 Codec
Save 50% Storage



Super Starlight
Color: 0.0004Lux



Plugin Free
No ActiveX



AEW
Auto-tracking
Early Warning



**Human/
Vehicle Classification**
Less False Alarm



VMS
All in one



Panoramic
180°/360° Panoramic Camera
PTZ Camera



Face Capture
High Capture Rate



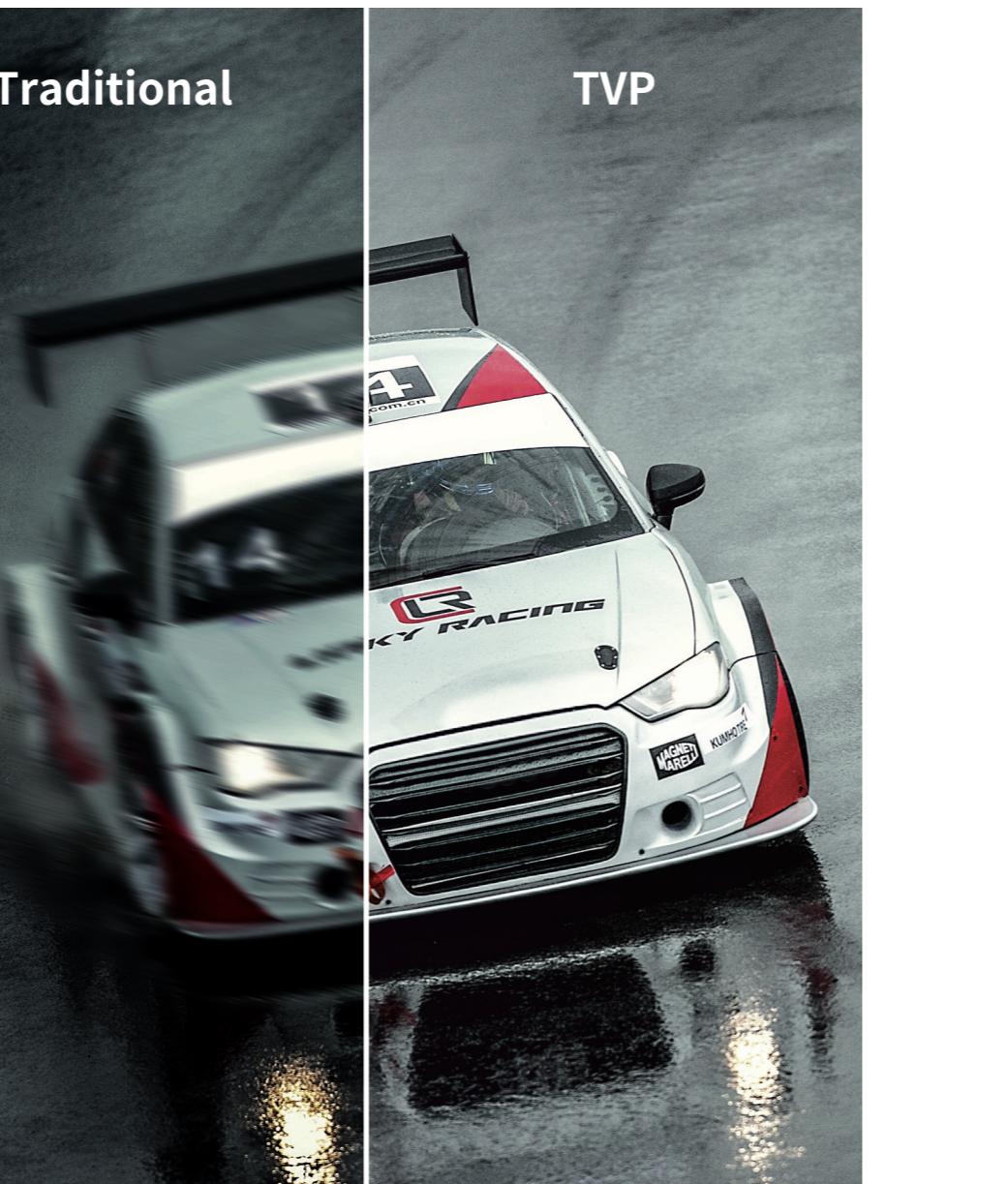
Face Recognition
High Accuracy Full Solution

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 trailedd image of moving object



Super Starlight

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

DEVELOPMENT OF STARLIGHT



Starlight

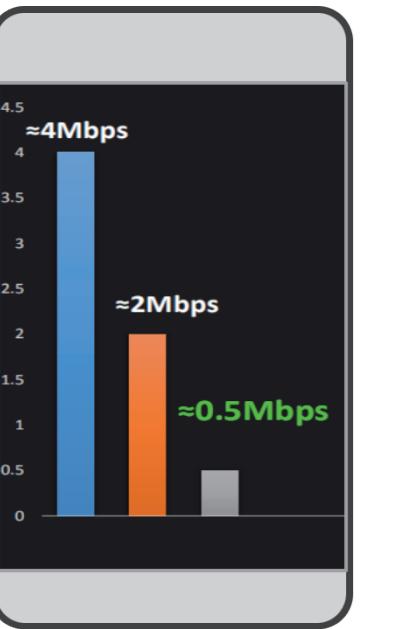
Super Starlight

Super Starlight2.0

Super Starlight3.0

S⁺265

S⁺265 is an important technology with independent intellectual property rights. Through coding prediction and scene adaptive algorithm, it reduces the code rate by more than 30% compared with H.265 and reduce the code rate by more than 70% than H.264 to achieve the purpose of saving bandwidth and storage space.



- Patent technology
- Reduces the code rate by more than 30% compared with H.265 70% than H.264
- Saving bandwidth and storage space

AEW

Based on AI deep learning, AEW (Auto-tracking Early Warning) is the combination of light warning and audio warning, achieving the effect of prevention, mid-way intervention and post-event investigation. It can precisely differentiate vehicle from people, and warn people or vehicle respectively, thus increasing the accuracy and availability of warning compared with traditional OpenCV.





Panoramic Laser PTZ

HIGHLIGHTS

- 180°/360° Panoramic view
- Auto-tracking Early Warning
- Laser: 800m night vision
- 44x ultra optic zoom
- Gyroscope, Stabilization



Long Distance 500m
Auto-tracking Early Warning



VMS: K2000

TC-S56324 Spec: 1/T/M

- 2000 channels management
- Decode output for 2 screens, with decode board, it can extend to 160ch 1080p, output to 20 screens
- Record bandwidth 512M, forward bandwidth 384M
- Onvif, active mode and private protocol
- Alarm link, audio link, map, TV wall
- AEW device management



IPC Lite

Lite line as primary products line is cost-effective and easy-to-install that can be applied to retail stores, warehouses, parking lots and parks, etc. We provide metal and metal+plastic 2MP/4MP/5MP bullet camera and turret with/without “Starlight”, among which 2MP/4MP achieves the intelligent coding, intelligent image and intelligent alarm.

Key Features

- Intelligent coding/image/alarm
 - Starlight/Super Starlight
 - S⁺265

Model	TC-C32GN	TC-C32HN	TC-C32GP	TC-C32HP
	Spec: 1/5" E/C/4mm/V2.0	Spec: 1/3" E/C/2.8mm/V2.0	Spec: 1/5" E/C/4mm/V2.0	Spec: 1/3" E/C/2.8mm/V2.0
Image sensor	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS
Image resolution	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)
In. illumination	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.0008Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.0008Lux@(F1.6, ACG ON), B/W: 0Lux with IR
Lens	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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Intelligent Imaging/Image/Alarm	Yes	Yes	Yes	Yes
VCA	N/A	N/A	N/A	N/A
Audio I/O	N/A	N/A	N/A	N/A
Alarm I/O	N/A	N/A	N/A	N/A
Memory slot	N/A	N/A	N/A	N/A
Network compatibility	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P
IR LEDs	2	1	2	1
IR range	Up to 50 m	Up to 30m	Up to 50m	Up to 30m
Power supply	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)
Waterproof and dustproof	IP67	IP66	IP67	IP66
Working temperature	-35°C ~ 65°C, 0 ~ 95% RH	-35°C ~ 65°C, 0 ~ 95% RH	-35°C ~ 65°C, 0 ~ 95% RH	-35°C ~ 65°C, 0 ~ 95% RH

Model							
	TC-C32HN Spec: I3/E/C/M/2.8mm	TC-C32JP Spec: I5/E/C/4mm	TC-C32HP Spec: I3/E/C/M/2.8mm	TC-C34JN Spec: I5/E/C/4mm	TC-C34HN Spec: I3/E/C/M/2.8mm	TC-C34JS Spec: I5/E/C/4mm	TC-C34HS Spec: I3/E/C/M/2.8mm
Image sensor	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Max.image resolution	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)	4.0MP (2560x1440)	4.0MP (2560x1440)	4.0MP (2560x1440)	4.0MP (2560x1440)
Min. illumination	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.0008Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.0008Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.005Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.005Lux@(F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.8mm	4mm	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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	2560x1440@25fps	2560x1440@25fps	2560x1440@25fps	2560x1440@25fps
WDR	Digital WDR	Digital 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	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Intelligent Coding/Image/Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VCA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Audio I/O	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alarm I/O	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Memory slot	N/A	N/A	N/A	N/A	N/A	N/A	N/A
System compatibility	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P	ONVIF (Profile S), SDK, P2P
IR LEDs	1	2	1	2	1	2	1
IR range	Up to 30m	Up to 50m	Up to 30m	Up to 50m	Up to 30m	Up to 50m	Up to 30m
Power supply	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)	DC 12V±20%, PoE (802.3af)
Waterproof&dustproof	IP66	IP67	IP66	IP67	IP66	IP67	IP66
Working temperature	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH

IPC Pro

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

Key Features

- Plugin Free
- Starlight/Super Starlight
- S+265
- Mic in/Audio in
- High Performance
- Video Analysis

Model					
	TC-C32JN Spec:I5/E/4mm	TC-C32KN Spec:I3/E/2.8mm/V2.0	TC-C32JS Spec:I5/E/4mm	TC-C32KS Spec:I3/E/2.8mm	TC-C35JS Spec:I5/E/4mm
Image sensor	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)	5.0MP (2592x1944)
Min. illumination	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.001Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.001Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with IR
Lens	4mm	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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	2592x1944@20fps
WDR	Digital WDR	Digital WDR	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/Corridor Format
Intelligent Coding/Image/Alarm	Yes	Yes	Yes	Yes	N/A
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal	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, Video Abnormal, Audio Abnormal	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, Crowded, Video Abnormal, Audio Abnormal, Heatmap
Audio I/O	N/A	1/0, Mic in	N/A	1/0, Mic in	N/A
Alarm I/O	N/A	N/A	N/A	N/A	N/A
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 256 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
IR LEDs	2	8	2	8	2
IR range	Up to 50m	Up to 30m	Up to 50m	Up to 30m	Up to 50m
Power supply	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±20%/PoE
Waterproof&dustproof	IP67	IP66,IK10	IP67	IP66,IK10	IP67
Working temperature	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH

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SMART IP SOLUTION

IPC Ultra

Ultra-Line is the high-end product line, where 2MP/5MP 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-C32BG Spec: 15W/E/4mm	TC-C32LG Spec: 18W/E/A/2.8-12mm	TC-C32MG Spec: 13W/E/A/2.8-12mm
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)
Min. illumination	Color: 0.0002Lux@(F1.0, ACG ON), B/W: 0Lux with IR	Color: 0.0004Lux@(F1.0, ACG ON), B/W: 0Lux with IR	Color: 0.0004Lux@(F1.0, ACG ON), B/W: 0Lux with IR
Lens	4mm	2.8~12mm	2.8~12mm
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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
WDR	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
Early Warning (EW)	Y	Y	Y
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics
Audio I/O	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm I/O	1/0	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	2	4	14
IR range	Up to 50m	Up to 80m	Up to 30m
Power supply	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE
Waterproof& dustproof	IP67	IP67	IP66, IK10
Working temperature	-35°C ~ 65°C, 0 ~ 95% RH	-35°C ~ 65°C, 0 ~ 95% RH	-35°C ~ 65°C, 0 ~ 95% RH

Model	TC-C35BQ Spec: 15W/E/4mm	TC-C35LQ Spec: 18W/E/A/2.8-12mm	TC-C35MQ Spec: 13W/E/A/2.8-12mm	TC-NC1261
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.7" CMOS
Max.image resolution	5.0MP (2592x1944)	5.0MP (2592x1944)	5.0MP (2592x1944)	12.0MP (4000x3072)
Min. illumination	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.05Lux@(F2.8, ACG ON), B/W: 0Lux with IR
Lens	4mm	2.8~12mm	2.8~12mm	1.98mm
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	2560x1920@20fps	2560x1920@20fps	2560x1920@20fps	4000x3072@20fps
WDR	120dB	120dB	120dB	Digital WDR
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC
Early Warning (EW)	Y	Y	Y	Y
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Face Detection, Demographics	Tripwire, Double Tripwire, Perimeter, Video Abnormal, Abnormal, Audio Abnormal, Face Detection, Demographics
Audio I/O	1/1, Mic in	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm I/O	1/0	2/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	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), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	2	4	14	3
IR range	Up to 50m	Up to 80m	Up to 30m	Up to 20m
Power supply	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±10%/AC24V±25%/PoE
Waterproof& dustproof	IP67	IP67	IP66, IK10	IP66, IK10
Working temperature	-35°C ~ 65°C, ~ 95% RH	-35°C ~ 65°C, ~ 95% RH	-35°C ~ 65°C, ~ 95% RH	-35°C ~ 65°C, ~ 95% RH

AI IPC

IPC Facial series: Tiandy face capture camera with "Starlight" technology achieves face capture up to 15 people in one snap by deep learning technology, reaching the accuracy rate for over 97%. Besides, the face recognition camera supports the facial recognition up to 32 data bases for 5,000 faces, keeping the alignment accuracy greater than 95%. Configured with three level precaution schemes, it supports multiple alarm linkages for a variety of applications.

Key Features

- Starlight
- Multi-mode available
- Plugin Free
- Face Capture/Recognition
- Video Analysis

Model	TC-A32E2 Spec: 2/E/12mm	TC-A32F2 Spec: 2/E/6mm	TC-A32E4 Spec: 1/E/12mm
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	1920×1080	1920×1080	1920×1080
Min. illumination	Color: 0.01Lux@(F2.0, ACG ON), B/W: 0Lux with IR	Color: 0.005Lux@(F1.6, ACG ON)	Color: 0.01Lux@(F2.0, ACG ON), B/W: 0Lux with IR
Lens	12mm	6mm	12mm
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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
WDR	120dB	120dB	120dB
Video Enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
Operationg Mode	Face capture/Intelligent Monitoring Mode	Face capture/Intelligent Monitoring Mode	Face recognition/Face capture/Intelligent Monitoring Mode
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal
Audio I/O	1/1	1/1, Mic in	1/1
Alarm I/O	2/1	2/1	2/1
Memory slot	N/A	N/A	N/A
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	2	N/A	2
IR range	Up to 30m	N/A	Up to 30m
White LEDs	2	1	2
Power supply	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE
Waterproof& dustproof	IP67	IP66	IP67
Working temperature	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH

Model	TC-A32F4 Spec: 1/E/6mm	TC-A32L4 Spec: 1/A/E/2.8-12mm	TC-A32M4 Spec: 1/A/E/2.8-12mm	TC-A32P6 Spec:E/4mm
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max.image resolution	1920×1080	1920×1080	1920×1080	2.0MP (1920×1080)
Min. illumination	Color: 0.005Lux@(F1.6, ACG ON)	Color: 0.001Lux@(F1.2, ACG ON), B/W: 0Lux with IR	Color: 0.001Lux@(F1.2, ACG ON)	Color: 0.002Lux@(F1.6, ACG ON)
Lens	6mm	2.8-12mm	2.8-12mm	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
Frame rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
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
Operationg Mode	Face recognition/Face capture/Intelligent Monitoring Mode	Face recognition/Face capture/Intelligent Monitoring Mode	Face recognition/Face capture/Intelligent Monitoring Mode	People Counting
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal	People Counting
Audio I/O	1/1, Mic in	1/1, Mic in	1/1, Mic in	1/1
Alarm I/O	2/1	2/1	2/1	2/1
Memory slot	N/A	Built-in Micro SD card slot, up to 128 GB	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), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	N/A	2	N/A	N/A
IR range	N/A	Up to 50m	N/A	N/A
White LEDs	1	3	18	N/A
Power supply	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE
Waterproof& dustproof	IP66	IP67	IP66	IP66
Working temperature	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH

PTZ

The full range of Tiandy PTZ equipped with “Starlight” technology provides high picture quality under low illumination. Thanks 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 depth 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	STARLIGHT	STARLIGHT	STARLIGHT	STARLIGHT
TC-H323Q Spec:04XII/E				
Image sensor	1/2.8"	1/2.8"	1/2.8"	1/2.8"
Frame Rate	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
Min. illumination	Color: 0.002lux@(F1.4, ACG ON), BW: 0lux with IR	Color: 0.002lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.002lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR
WDR	120dB	140dB	140dB	140dB
Optical Zoom	4×	25×	20×	20×
Digital Zoom	16×	16×	N/A	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	4, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500	256	500
Auto-Tracking	N/A	N/A	N/A	N/A
Early Warning (EW)	Y	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, Loitering, Running, Face Detection, Crowd, Video Abnormal, Audio Abnormal, Heatmap	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost	Tripwire, Double Tripwire, Perimeter, Object Abandon	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Heatmap
Audio I/O	1/1	1/1	N/A	1/1
Alarm I/O	2/1	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	N/A	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	3 pcs, 30m	6 pcs, 150m	6 pcs, 150m	4 pcs, 120m
White LEDs	1	N/A	N/A	N/A
Power supply	DC12V±10%POE	DC12V±10%POE+	DC12V±10%POE+	DC12V±10%POE+
Waterproof& dustproof	IP40	IP66	IP66	IP66
Working temperature	-10°C~50°C, 0~90% RH	-40°C~70°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH

Model	STARLIGHT	STARLIGHT	SUPER STARLIGHT	STARLIGHT	STARLIGHT	SUPER STARLIGHT	SUPER STARLIGHT
TC-H326S Spec: 33XII/E/A							
Image sensor	1/2.8"	1/2.8"	1/1.8"	1/2.8"	1/1.8"	1/1.8"	1/1.8"
Frame Rate	1920x1080@60fps	2560x1920@20fps	3072x1728@20fps	2592x1440@30fps	PTZ Camera: 1920x1080@60fps Panoramic Camera: 4096x1800@30fps	PTZ Camera: 1920x1080@60fps Panoramic Camera: 4096x1800@30fps	PTZ Camera: 1920x1080@60fps Panoramic Camera: 8192x1800@30fps
Min. illumination	Color: 0.002lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.002lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.0008Lux@(F1.6, ACG ON)	Color: 0.002lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.0008Lux@(F1.5, ACG ON)	Color: 0.0008Lux@(F1.5, ACG ON)	Color: 0.0008Lux@(F1.5, ACG ON)
WDR	140dB	Digital WDR	140dB	140dB	140dB	140dB	140dB
Optical Zoom	33×	30×	44×	30×	44×	44×	44×
Digital Zoom	16×	16×	16×	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	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	16, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500	500	500	500	500	500
Auto-Tracking	Y	N/A	Y	Y	Y	Y	Y
Early Warning (EW)	N/A	N/A	Y	Y	Y	Y	Y
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, Face Detection, People Counting, Crowd, Video Abnormal, Audio Abnormal, Heatmap	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost	Tripwire, Double Tripwire, Perimeter, Object Abandon	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal, Heatmap	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd, 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, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection
Audio I/O	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Alarm I/O	1/1	1/1	8/2	8/2	8/2	8/2	8/2
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 128 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB	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), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	4 pcs, 150m	10 pcs, 150m	8 pcs, 180m	8 pcs, 150m	N/A	N/A	N/A
White LEDs	N/A	N/A	2	2	4	4	4
Power supply	AC24V±15%POE+	AC24V±15%	AC24V±15%	AC24V±15%	AC24V±15%	AC24V±15%	AC24V±15%
Waterproof& dustproof	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Working temperature	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH

NVR

Tiandy NVR provides 25% more access than regular products, which enables plug and play, automatically 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. The intelligent retrieval function makes it easy and quick to find videos and back up. With P2P access, videos can be checked 24/7 on the smart phone and receive alarm if warning function has been equipped.

Key Features

- Plug and Play
- S+265
- EW
- P2P Connection

Model	TC-R3105 Spec: IVB/P	TC-R3210 Spec: IVB/P	TC-R3220 Spec: IVB/P
Video Input	5-ch	10-ch	20-ch
Decoding Format	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264
Input/output Bandwidth	40Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Recording Resolution	5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/QCIF
Preview	1x5MP, 1x4MP, 2x1080P, 4x720P, 5x4CIF	1x4K, 1x5MP, 2x4MP, 4x1080P, 8x720P, 10x4CIF	1x4K, 1x5MP, 2x4MP, 4x1080P, 8x720P, 20x4CIF
HDD (SATA)	1 HDD	2 HDDs	2 HDDs
eSATA	N/A	N/A	N/A
RAID	N/A	N/A	N/A
POE	4-ch	8-ch	16-ch
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA
Alarm I/O	0/1	0/1	0/1
HDMI/VGA	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)
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	DC48V, ≤20W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)	100~240V AC, 50~60 Hz, ≤25W (without HDD)
Working temperature	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH
Chassis	1U	1U	1U

Model	TC-R3220 Spec: IVB/P/H	TC-R3105 Spec: IVB/V2.0	TC-R3110 Spec: IVB/V2.0	TC-R3120 Spec: IVB/V2.0	TC-R3210 Spec: IVB	TC-R3220 Spec: IVB
Video Input	20-ch	5-ch	10-ch	20-ch	10-ch	20-ch
Decoding Format	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264
Input/output Bandwidth	200Mbps/200Mbps	40Mbps/40Mbps	40Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview	2x12MP, 4x4K, 5x5MP, 8x4MP, 16x1080P, 20x720P, 20x4CIF	1x5MP, 1x4MP, 3x1080P, 5x720P, 5x4CIF	1x5MP, 1x4MP, 3x1080P, 5x720P, 10x4CIF	1x4K, 1x5MP, 2x4MP, 4x1080P, 8x720P, 20x4CIF	1x4K, 1x5MP, 2x4MP, 4x1080P, 8x720P, 10x4CIF	1x4K, 1x5MP, 2x4MP, 4x1080P, 8x720P, 20x4CIF
HDD (SATA)	2 HDDs	1 HDD	1 HDD	1 HDD	2 HDDs	2 HDDs
eSATA	N/A	N/A	N/A	N/A	N/A	N/A
RAID	N/A	N/A	N/A	N/A	N/A	N/A
POE	16-ch	N/A	N/A	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm	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	1×RCA
Alarm I/O	0/1	N/A	N/A	N/A	0/1	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, Running, Parking, Face Detection, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowed, On Duty Detection, Video Abnormal, Audio Abnormal, Early Warning (EW)
Network Interface	1xRJ45 self-adaptive 10/100/1000 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	1xRJ45 self-adaptive 10/100 Mbps network interface
Power supply	100~240V AC, 50~60 Hz, ≤25W (without HDD)	DC12V 1.5A, ≤10W (without HDD)	DC12V 1.5A, ≤10W (without HDD)	DC12V 1.5A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)
Working temperature	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH	-10°C ~ 55°C, 10%~90% RH
Chassis	1U	1U	1U	1U	1U	1U

Model						
TC-R3440 Spec: I/B/N	TC-R3840 Spec: I/B/N	TC-R3880 Spec: I/B/N	TC-R31680 Spec: E/B/N	TC-R324160 Spec: E/B/N/C/V2.0	TC-R324320 Spec: E/B/N/V2.0	
Video Input	40-ch	40-ch	80-ch	80-ch	160-ch	320-ch
Decoding Format	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264
Input/output Bandwidth	400Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps	1280Mbps/640Mbps	1280Mbps/640Mbps
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	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
Preview	2x12MP, 4x4K, 5x5MP, 8x4MP, 16x1080P, 32x720P, 40x4CIF	2x12MP, 4x4K, 5x5MP, 8x4MP, 16x1080P, 32x720P, 40x4CIF	2x12MP, 4x4K, 5x5MP, 8x4MP, 16x1080P, 32x720P, 64x4CIF	2x12MP, 4x4K, 5x5MP, 8x4MP, 16x1080P, 32x720P, 64x4CIF	3x12MP, 5x4K, 8x5MP, 10x4MP, 20x1080P, 40x720P, 80x4CIF	3x12MP, 5x4K, 8x5MP, 10x4MP, 20x1080P, 40x720P, 80x4CIF
HDD (SATA)	4 HDDs	8 HDDs	8 HDDs	16 HDDs	24 HDDs	24 HDDs
eSATA	N/A	1	1	1	1	1
RAID	N/A	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10/50/60	JBOD, RAID0/1/5/6/10/50/60
POE	N/A	N/A	N/A	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm					
Audio Output	1xRCA	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm	1x3.5mm
Alarm I/O	16/4	16/4	16/4	16/4	8/4	44/22
HDMI/VGA	1/1	2/2	2/2	2/2	2/1	2/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)
Network Interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interface	4xRJ45 self-adaptive 10/100/1000 Mbps network interface 4x Fiber Optics 1000 Mbps network interface	4xRJ45 self-adaptive 10/100/1000 Mbps network interface			
Power supply	DC12V 5A, ≤40W (without HDD)	AC100~240V, 50/60HZ, ≤80W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)
Working temperature	-10°C ~ 55°C, 10%~90% RH	0°C~50°C, 10%~90% RH	0°C~50°C, 10%~90% RH			
Chassis	1.5U	2U	2U	3U	4U	4U

AI NVR

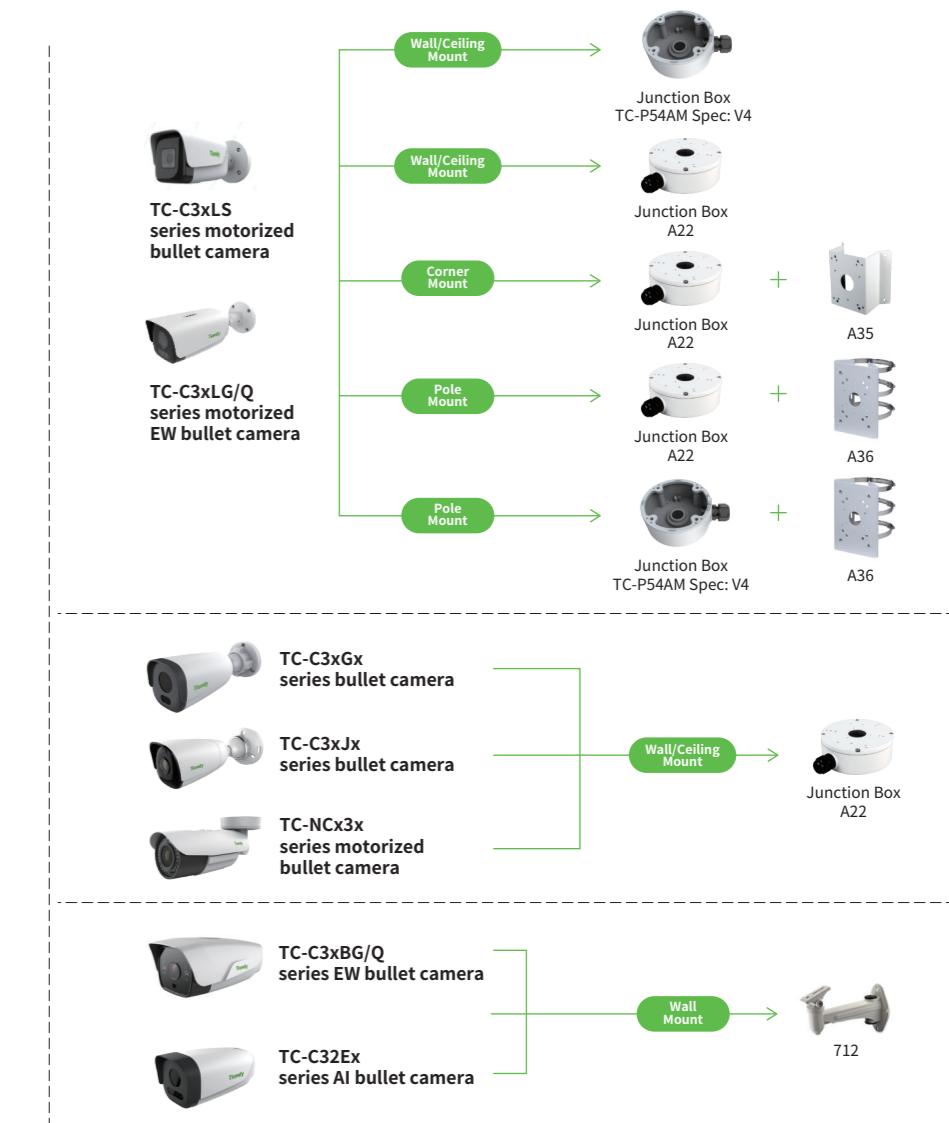
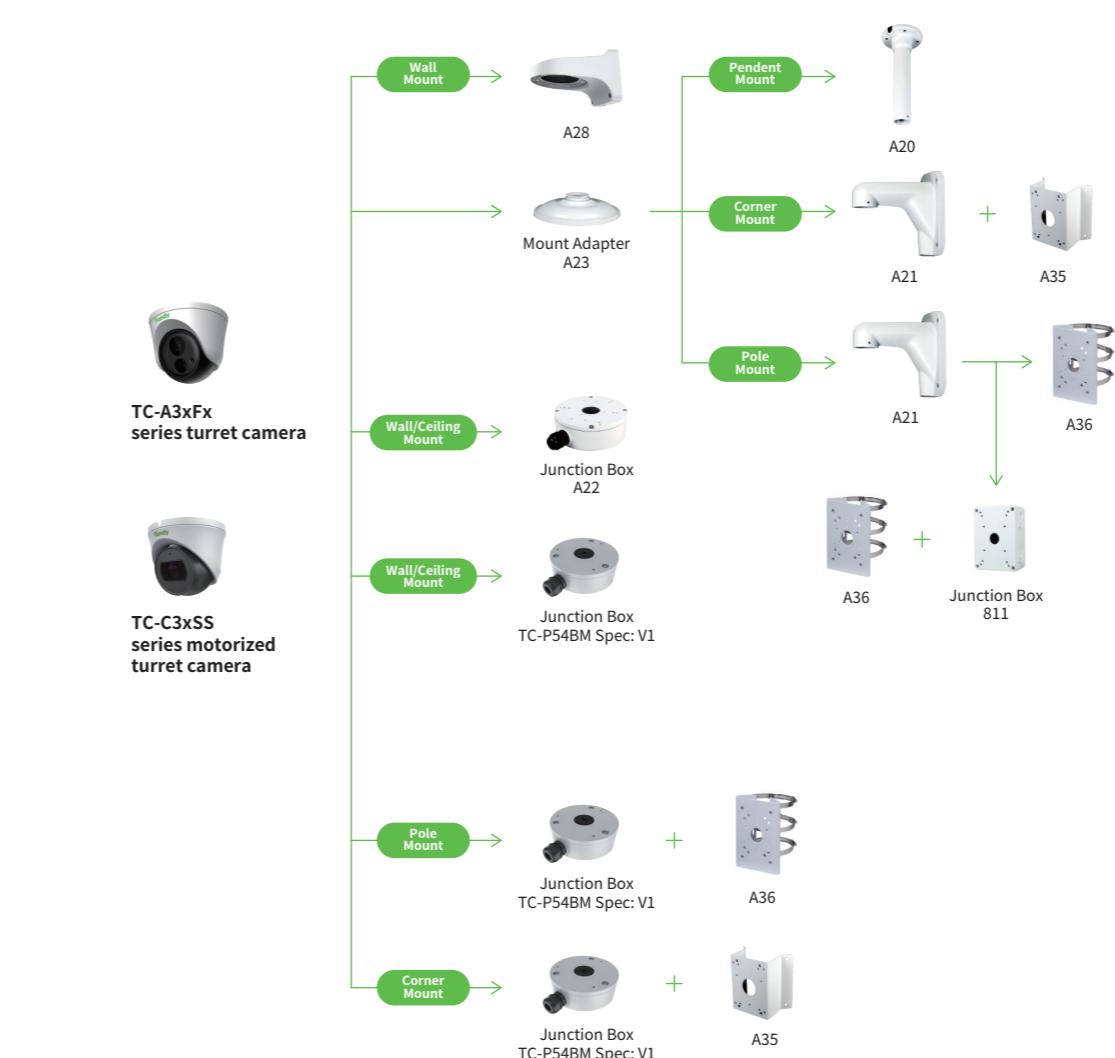
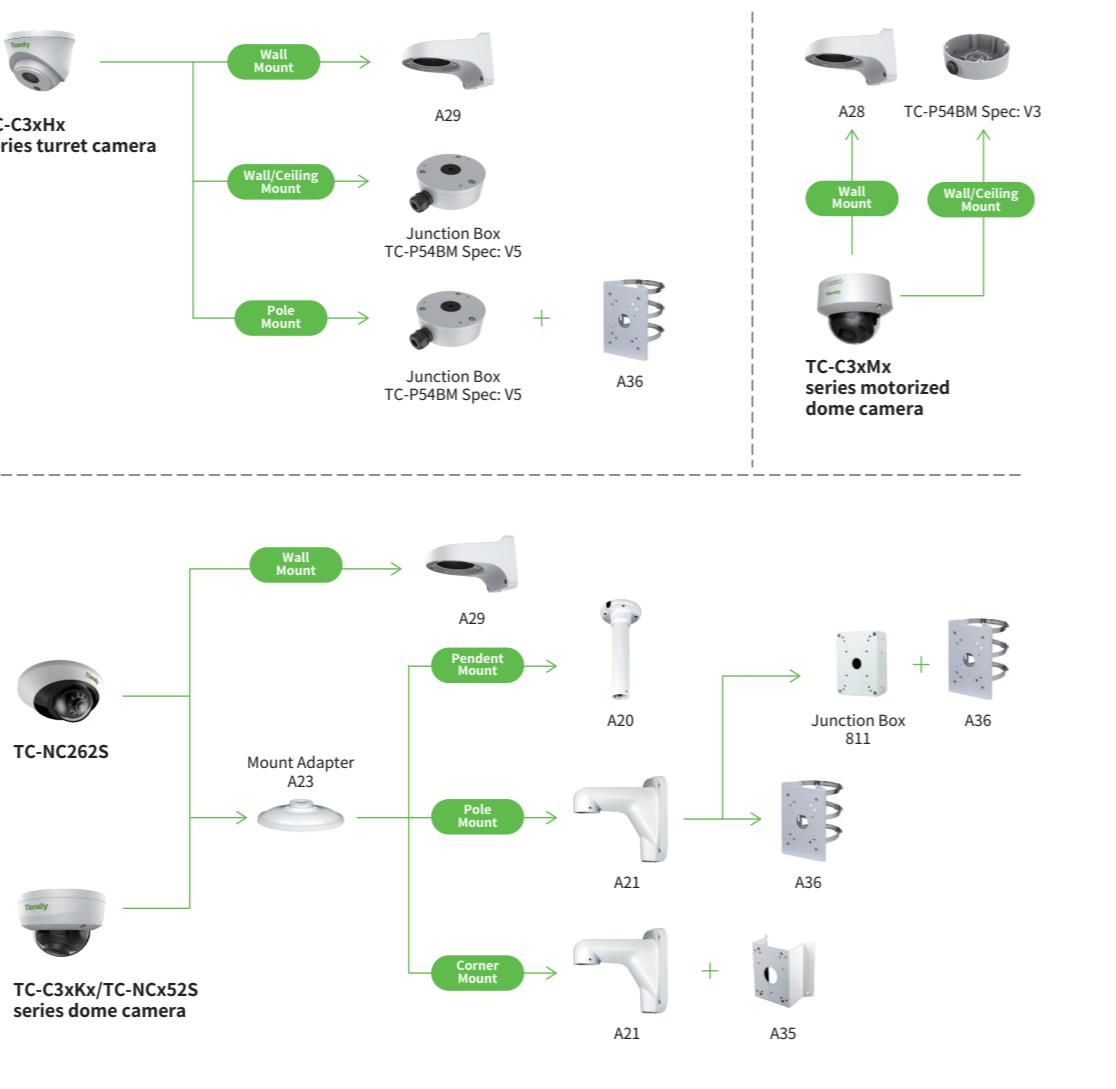
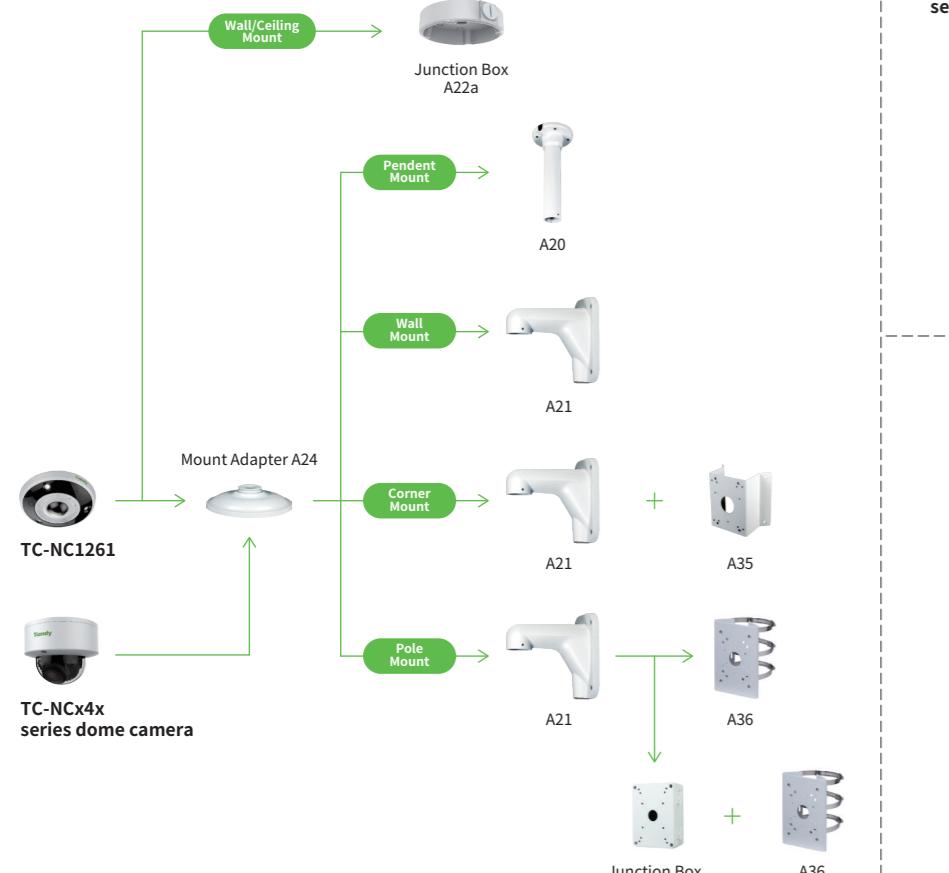
Based on deep learning technology, Tiandy NVR has face recognition function for cameras with/without facial capture function, which is widely used in hospitals, gas stations, supermarkets for attendance and key personnel identification. With the Tiandy face capture camera, multi-channel face recognition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

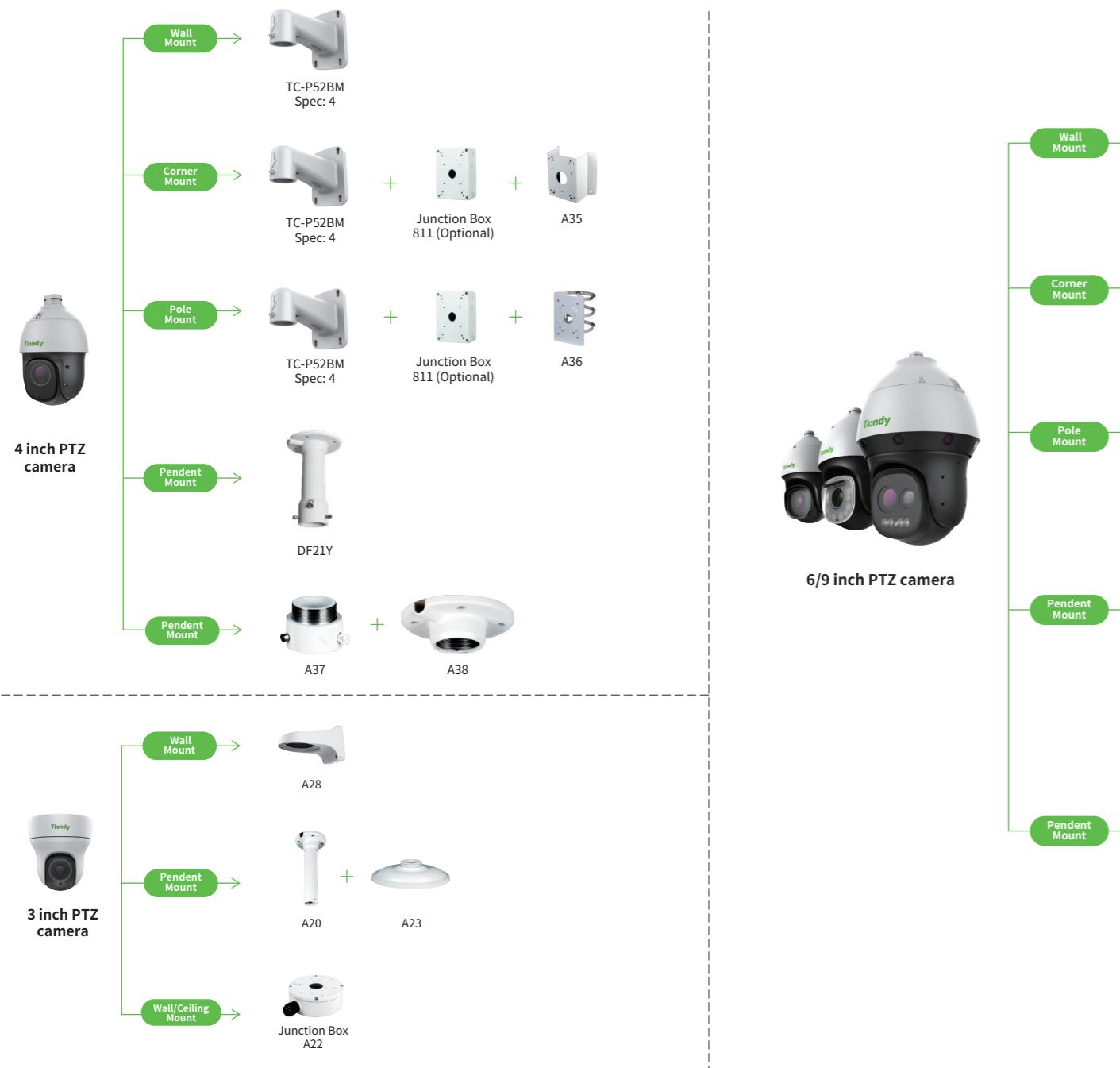
Key Features

- **S+265**
- **Face Recognition**
- **EW**
- **Human/Vehicle Classification**

Model					
TC-R3105 Spec: I/F	TC-R3210 Spec: I/F	TC-R3820 Spec: I/F/N	TC-R3840 Spec: I/F/N	TC-R3880 Spec: I/F/N	
Video Input	5-ch	10-ch	20-ch	40-ch	80-ch
Decoding Format	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264	S+265H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	80Mbps/80Mbps	400Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps
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	12MP/8MP/5MP/4MP/1080p/960p/720p/D1/2CIF/CIF	12MP/8MP/5MP/4MP/1080p/960p/720p/D1/2CIF/CIF	12MP/8MP/5MP/4MP/1080p/960p/720p/D1/2CIF/CIF
Preview	1x5MP, 1x4MP, 3x1080P, 5x720P, 10x4CIF	1x5MP, 1x4MP, 3x1080P, 5x720P, 10x4CIF	2x12MP, 3x4K, 5x5MP, 7x4MP, 15x1080P, 30x720P, 20x4CIF	2x12MP, 3x4K, 5x5MP, 7x4MP, 15x1080P, 30x720P, 40x4CIF	2x12MP, 3x4K, 5x5MP, 7x4MP, 15x1080P, 30x720P, 40x4CIF
HDD (SATA)	1 HDD	2 HDDs	8 HDDs	8 HDDs	8 HDDs
eSATA	N/A	N/A	1	1	1
RAID	N/A	N/A	JBOD, RAID0/1/5/10	JBOD, RAID0/1/5/10	JBOD, RAID0/1/5/10
POE	N/A	N/A	N/A	N/A	N/A
Audio Input	1-ch, 3.5mm				
Audio Output	1xRCA	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm	1x3.5mm
Alarm I/O	0/1	16/4	16/4	16/4	16/4
HDMI/VGA	1/1	1/1	2/2	2/2	2/2
Face Library/Pictures	32/10,000	32/10,000	32/50,000	32/50,000	32/50,000
Face Recognition Capability	1 Video Stream 5 Picture Stream	1 Video Stream 5 Picture Stream	8 Video Stream 16 Picture Stream	8 Video Stream 16 Picture Stream	8 Video Stream 16 Picture Stream
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowd ed, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)
Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interface
Power supply	DC12V 3.33A, ≤10W (without HDD)	DC12V 3.33A, ≤10W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)	AC100~240V, 50/60HZ, ≤100W (without HDD)
Working temperature	-10°C ~ 55°C, 10%~90% RH				
Chassis	1U	1U	2U	2U	2U

Mount Accessories





Tiandy Naming Rules V3.0

Network Camera							
example: Company		Product		Resolution	Type	Effect	Light supplement
TC-	Tiandy Product	C	3	2	J	N	Spec: I3
		C- IP Camera		2- 2MP	A- Box	N- Normal	N/A- NO IR
		A- AI IPC		3- 3MP	B- Fixed Bullet	S- Starlight	I2- 20m IR
				4- 4MP	E- Fixed Bullet	P- Super Starlight	I3- 30m IR
				5- 5MP	F- Fixed Dome	U- Super Starlight V3.0	I5- 50m IR
				8- 8MP	G- Mini Bullet	X- Super Starlight V4.0	I8- 80m IR
				12- 12MP	H- Turret	V- Normal EW	J- Distortion correction
					J- Metal Mini Bullet	Q- Starlight EW	W- White Light
					K- Metal Mini Dome	G- Super Starlight V3.0 EW	YX- Super Mini
					L- VF Bullet	T- Super Starlight V4.0 EW	O- ST series
					M- VF Dome	2- Face Capture	1- KS series
					N- Longrange Bullet	4- Face Recognition	2- TD series
					P- Super Mini		
					S- VF Turret		
					Q- Fisheye		
					T- VF Bullet		

PTZ Camera							
example: Company		Product		Resolution	Size	Effect	Zoom
TC-	Tiandy Product	H	3	8	9	M	Spec: 44X
		H- PTZ		2- 2MP	3- 3inch	S- Starlight	04- 4x
		A- AI PTZ		3- 3MP	4- 4inch	P- Super Starlight	20- 20x
				5- 5MP	6- 6inch	Q- Starlight EW	25- 25x
				8- 8MP	9- 9inch	M- Super Starlight EW	30- 30x
				16- 16MP		3- Face Capture	33- 33x
							44- 44x

NVR							
example: Company		Product		HDD	Video Input	Structure Type	VCA
TC-	Tiandy Product	R	3	1	05	Spec: I	B
		NVR		1- 1HDD	05- 5CH	I- Internal HDD Installation	B- Basis
				2- 2HDD	10- 10CH	E- External HDD Installation	P- POE
				4- 4HDD	20- 20CH	F- Face	C- Eco series
				8- 8HDD	40- 40CH	H- Enhanced	
				16- 16HDD	80- 80CH		N- Multiple network ports
				24- 24HDD	160- 160CH		
					320- 320CH		