

SMART IP SOLUTION

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

Tiandy

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Distributor Information

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About Tiandy

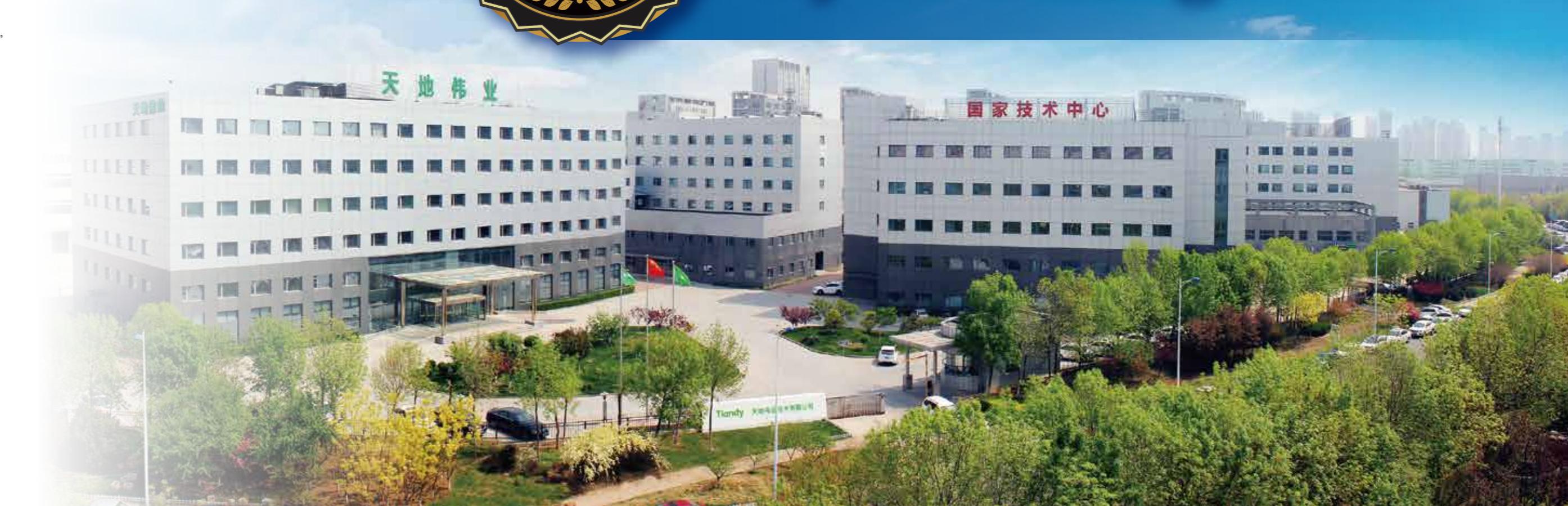
Founded in 2004, Tiandy Technologies is a world-leading intelligent surveillance solution and service provider positioned in full color full time, ranking No.9 in the surveillance field. As a world leader in video surveillance industry, Tiandy integrates AI, big data, cloud computing, IoT and cameras 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 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 and be able to find a way to meet your needs.



2019 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

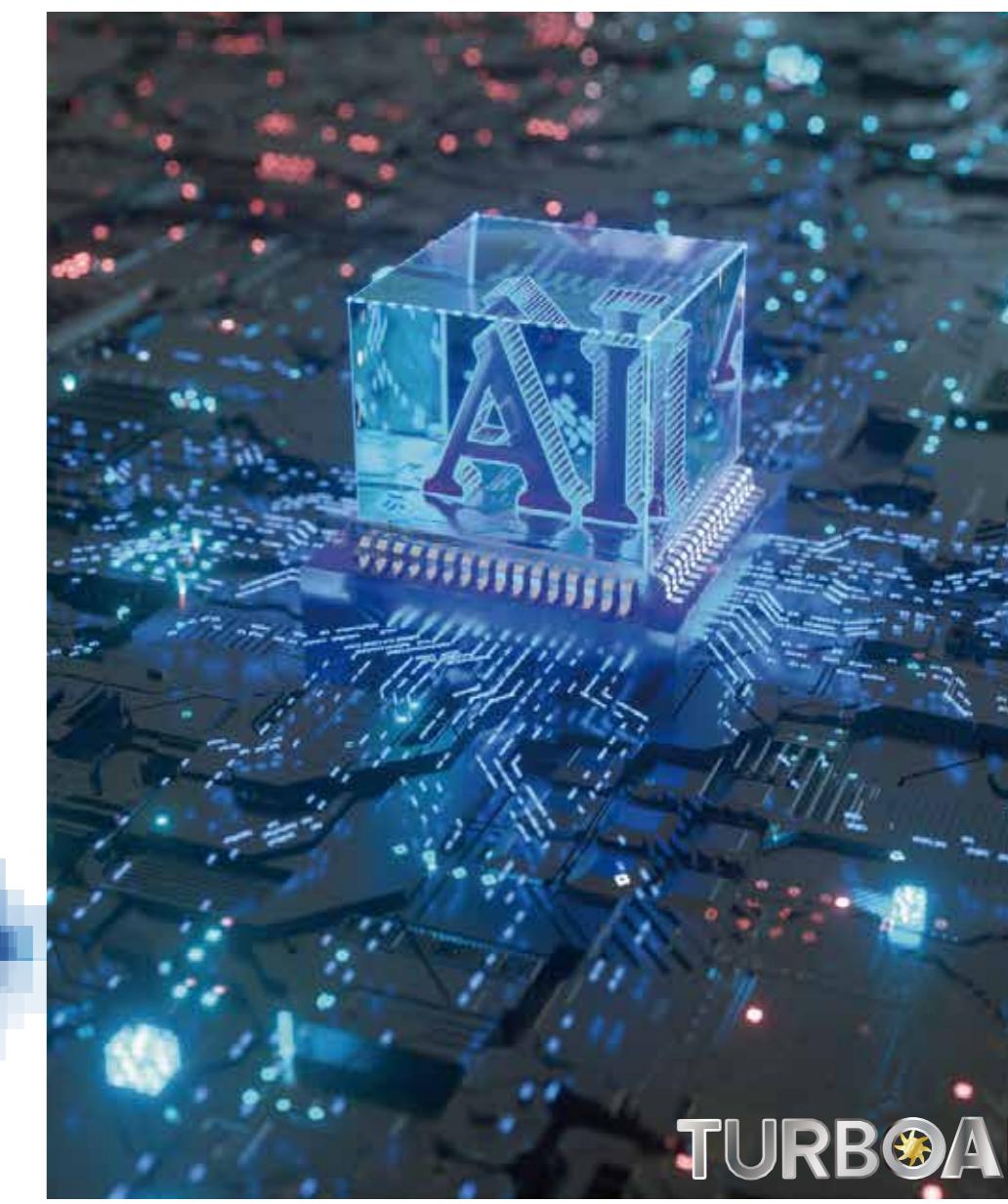
Color Maker

Combined with large aperture and large sensor, Tiandy Color Maker technology enable 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 make it possible for camera to achieve the goal of full-time full-color.



Turbo AI

Tiandy dedicates to be popularizer of 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.



TURBOAI

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 $\pm 0.5^{\circ}\text{C}$, ($\pm 0.3^{\circ}\text{C}$ 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



Tiandy

**MORE THAN THERMAL
BUILT-IN AI & VOICE WARNING!
This is Tiandy**

TC-C34LP Spec: I5/E/T/4mm 0.0002Lux@F1.0

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 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.



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

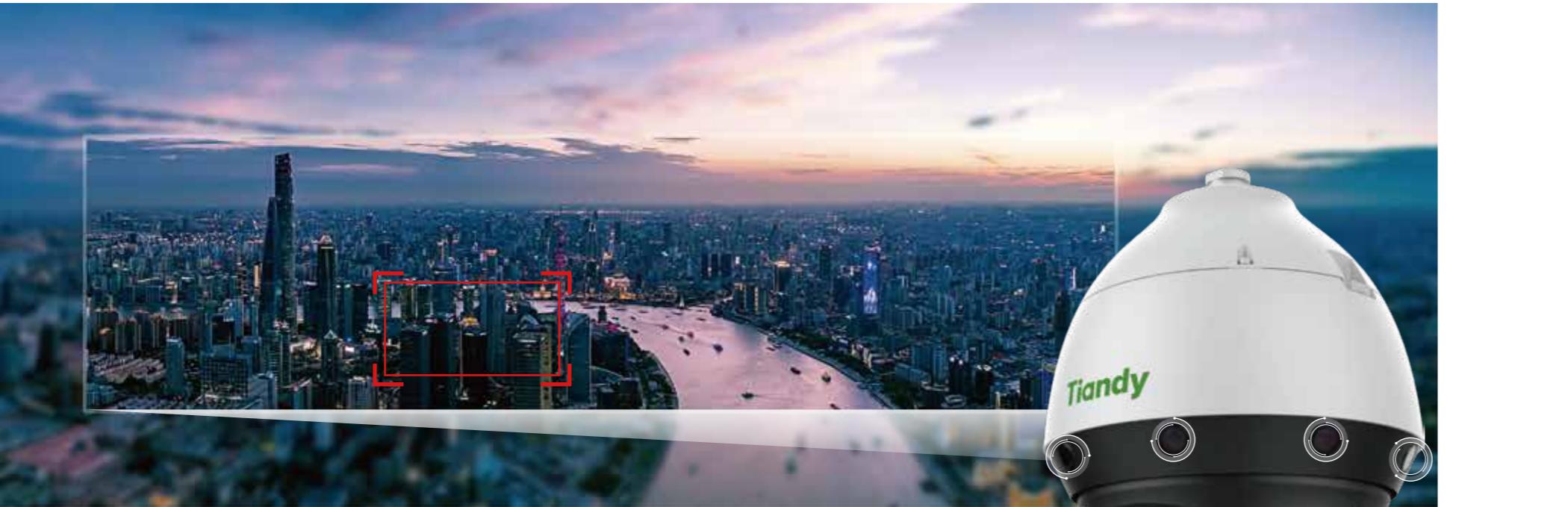


Starlight

Super Starlight

Super Starlight2.0

Super Starlight3.0



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

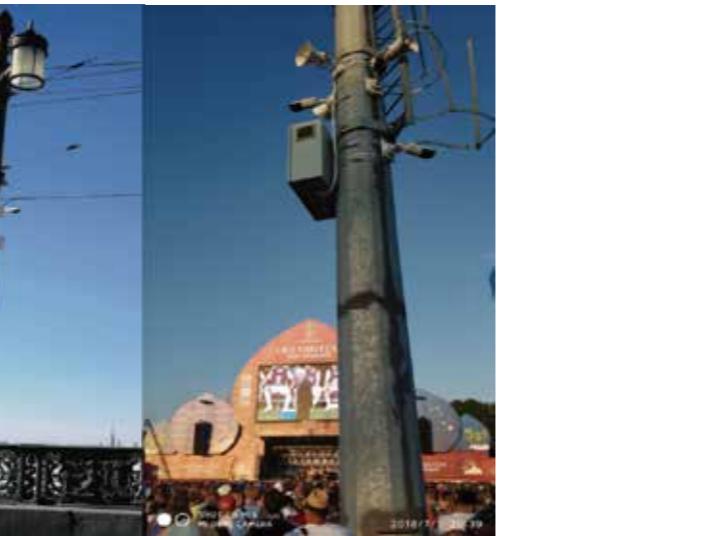


SUCCESSFUL CASES



BORDER DEFENSE IN TURKEY

Tiandy HD IP surveillance system provided full view to the Turkey border in the key sites. Compared with traditional cameras, Tiandy panoramic PTZ can provide much wider view of picture and long range PTZ can see the suspicious objects from much longer distance, which makes the military well prepared before the incidents.



2018 RUSSIA WORLD CUP

This project installed more than 2000pcs Tiandy starlight varifocal cameras 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 realized transfer the 1080p under 800K bandwidth with clear image. The good quality with IP67 and TVS6000V, working temperature fit for -40 °C to 60 °C.

SUCCESSFUL CASES



ECUADOR-SAFE NATION

Tiandy offers a complete solution for this beautiful country, called "safety country project", applied 300 sets of TC-NH6218, 2 sets of TC-R31680, and 10 TC-R3420 to offer the best and thorough protection to their people, the major junctions are installed Tiandy PTZ to have a panoramic view to prevent potential crimes or record ongoing accidents.



5-STAR HOTEL IN EGYPT

This project has installed a total of more than 200 cameras. 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 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 that can be applied to retail stores, warehouses, parking lots and parks, etc. Built-in mic, SD card slot and reset button, Lite series provide value-added interfaces in hardware; supporting two most used VCA functions, tripwire and perimeter, Lite series provide 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 TC-C32WN Spec: I5/E/Y/(M)/4mm	TC-C32WP Spec: I5/E/Y/(M)/2.8mm TC-C32WP Spec: I5/E/Y/(M)/4mm	TC-C32XN Spec: I3/E/Y/(M)/2.8mm	TC-C32XP Spec: I3/E/Y/(M)/2.8mm	TC-C32KN Spec: I3/E/Y/2.8mm
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 (1920x1080)				
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: 0.02Lux@ (F2.0, 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
Lens	2.8mm/4mm	2.8mm/4mm	2.8mm	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	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps
WDR	Digital WDR				
Video Enhancement	BLC/3D DNR/HLC				
Alarm Trigger	Motion Detection, Mask Alarm, IP Address Conflict				
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio I/O	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)				
Protection Level	IP67	IP67	IP67	IP67	IP67, IK10
Working temperature	-35°C~65°C, 0~95% RH				
Material	Default: Metal+Plastic; M: Metal	Metal+Plastic			

Model	TC-C33WN Spec: I5/E/Y/2.8mm TC-C33WN Spec: I5/E/Y/(M)/4mm	TC-C33XN Spec: I3/E/Y/2.8mm	TC-C33KN Spec: I3/E/Y/2.8mm	TC-C34WS Spec: I5/E/Y/(M)/2.8mm TC-C34WS Spec: I5/E/Y/(M)/4mm	TC-C34XS Spec: I3/E/Y/(M)/2.8mm	TC-C34KS Spec: I3/E/Y/2.8mm	TC-C35WS Spec: I5/E/Y/(M)/2.8mm TC-C35WS Spec: I5/E/Y/(M)/4mm	TC-C35XS Spec: I3/E/Y/(M)/2.8mm
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 (2304x1296)	3.0MP (2304x1296)	3.0MP (2304x1296)	4.0MP (2592x1520)	4.0MP (2592x1520)	4.0MP (2592x1520)	5.0MP (2592x1944)	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: 0.02Lux@ (F2.0, 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: 0.002Lux@ (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
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	2304x1296@20fps	2304x1296@20fps	2304x1296@20fps	2560x1440@25fps	2560x1440@25fps	2560x1440@25fps	2592x1944@20fps	2592x1944@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					
Alarm Trigger	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					
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, 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)
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 50m	Up to 30m	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)					
Protection Level	IP67	IP67	IP67, IK10	IP67	IP67	IP67, IK10	IP67	IP67
Working temperature	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH					
Material	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic

Model							
TC-C35KS Spec: I3/E/Y/2.8mm	TC-C38WS Spec: I5/E/Y/M/2.8mm	TC-C38WS Spec: I5/E/Y/M/4mm	TC-C38XS Spec: I3/E/Y/M/2.8mm	TC-C38KS Spec: I3/E/Y/2.8mm	TC-C32SN Spec: I8/A/E/Y/M/2.8-12mm	TC-C32MN Spec: I3/A/E/Y/M/2.8-12mm	TC-C35US Spec: I8/A/E/Y/M/2.8-12mm
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	1/2.8" CMOS
Max.image resolution	5.0MP (2592x1944)	8.0MP (3840x2160)	8.0MP (3840x2160)	8.0MP (3840x2160)	2.0MP (1920x1080)	2.0MP (1920x1080)	5.0MP (2592x1944)
Min. illumination	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.01Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.01Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.01Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.02Lux@(F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.002Lux@(F1.6, ACG 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
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
Frame rate	2592x1944@20fps	3840x2160@20fps	3840x2160@20fps	3840x2160@20fps	1920x1080@30fps	1920x1080@30fps	2592x1944@20fps
WDR	120dB	120dB	120dB	120dB	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
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
VCA	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
Alarm I/O	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
Reset Button	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, 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	8	2	2	8	4	2	18
IR range	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 80m	Up to 30m	Up to 80m
Warm Lights	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)
Protection Level	IP67, IK10	IP67	IP67	IP67	IP67	IP67, 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	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH
Material	Metal+Plastic	Metal	Metal	Metal+Plastic	Metal	Metal	Metal

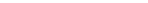
Model							
TC-C35SS Spec: I3/A/E/Y/M/2.8-12mm	TC-C35MS Spec: I3/A/E/Y/M/2.8-12mm	TC-C32DP Spec: W/E/Y/4mm	TC-C32FP Spec: W/E/Y/2.8mm	TC-C34SP Spec: W/E/Y/M/2.8mm	TC-C32WN Spec: I5/Y/WIFI/4mm	TC-C32KN Spec: I3/Y/WIFI/2.8mm	
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.8" CMOS	1/1.8" CMOS	1/2.9" CMOS	1/2.9" CMOS
Max.image resolution	5.0MP (2592x1944)	5.0MP (2592x1944)	2.0MP (1920x1080)	2.0MP (1920x1080)	4.0MP (2560x1440)	4.0MP (2560x1440)	2.0MP (1920x1080)
Min. illumination	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with LED on	Color: 0.002Lux@(F1.6, ACG ON), B/W: 0Lux with LED on	Color: 0.0004Lux@(F1.0, ACG ON), B/W: 0Lux with LED on	Color: 0.0004Lux@(F1.0, ACG ON), B/W: 0Lux with LED on	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with LED on	Color: 0.02Lux@(F2.0, ACG ON), B/W: 0Lux with LED on	
Lens	2.8-12mm	2.8-12mm	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	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592x1944@20fps	2592x1944@20fps	1920x1080@30fps	1920x1080@30fps	2560x1440@25fps	2560x1440@25fps	1920x1080@30fps
WDR	120dB	120dB	Digital WDR	Digital WDR	120dB	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
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, IP Address Conflict			
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	N/A
Audio I/O	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
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
Reset Button	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, 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	18	N/A	N/A	N/A	2	8
IR range	Up to 30m	Up to 30m	N/A	N/A	N/A	Up to 50m	Up to 30m
Warm Lights	N/A	N/A	4 pcs, 20~30m	1 pcs, 10~15m	4 pcs, 20~30m	2 pcs, 15~20m	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%
Protection Level	IP67	IP67	IP67	IP67	IP66	IP67	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	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH
Material	Metal	Metal	Metal+Plastic	Metal+Plastic	Metal	Metal	Metal+Plastic

IPC Pro

ro Line, as the prime product line of
iandy, features Starlight/Super
tarlight, face capture, advanced
ntelligent analytics, multi-interface,
lugin free and can be applied to small
nd medium business and various
ndustry projects. 2MP/4MP/5MP/8MP
ullet camera, dome camera and turret
amera, with fixed or motorized lens, are
ll 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

	 ECO	 STARLIGHT	 ECO	 STARLIGHT
Model	TC-C32JS	TC-C32WS	TC-C32WS	TC-C32XS
Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Resolution	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)	2.0MP (1920x1080)
Exposure	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: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Color: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.8mm/4mm	2.8mm/4mm	2.8mm/4mm	2.8mm
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
SNR	120dB	120dB	120dB	120dB
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
AI	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowd, 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, Crowd, 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, Crowd, 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, Crowd, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Human/Vehicle Classification
Face Recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio I/O	N/A	Mic in	1/1, Mic in	Mic in
Video I/O	N/A	N/A	1/1	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
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
LEDs	2	2	2	2
Range	Up to 50m	Up to 50m	Up to 50m	Up to 30m
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	IP67
Temperature	-40°C~65°C, 0~95% RH	-40°C~65°C, 0~95% RH	-40°C~65°C, 0~95% RH	-40°C~65°C, 0~95% RH
Material	Metal	Metal	Metal	Metal

1

nd product line,
and dome
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per Starlight”
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is widely used in
ness projects.

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- ## Classification Criteria

	 SUPER STARLIGHT	 SUPER STARLIGHT
Model	TC-C32BG Spec: I5W/E/4mm	TC-A32L4 Spec: 1A/E/2.8-12mm
Sensor	1/2.8" CMOS	1/2.8" CMOS
Image Resolution	2.0MP (1920×1080)	2.0MP (1920×1080)
Color/IR Combination	Color: 0.0002Lux@(F1.0, ACG ON), B/W: 0Lux with IR	Color: 0.0004Lux@(F1.3, ACG ON), B/W: 0Lux with IR
Lens	4mm	2.8-12mm
Compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	1920x1080@30fps	1920x1080@30fps
Dynamic Range	120dB	120dB
Video Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
Intelligent Monitoring Mode	Intelligent Monitoring Mode	Face recognition/Face capture/Intelligent Monitoring Mode
Recording	Yes	Yes
Events	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, Face Detection, On Duty Detection, Video Abnormal, Audio Abnormal
Audio I/O	1/1, Mic in	1/1, Mic in
Video I/O	1/0	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), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
Ports	2	2
Range	Up to 50m	Up to 50m
LEDs	2	3
Power Supply	DC12V±20%/PoE	DC12V±20%/PoE
Weatherproof & Protection	IP67	IP67
Working Environment	-35°C~65°C, 0~95% RH	-35°C~65°C, 0~95% RH

TC-A32M4 Spec: 1/A/E/2.8-12mm	TC-C35BQ Spec: I5W/E/4mm	TC-C35LQ Spec: I8W/E/A/2.8-12mm	TC-C35MQ Spec: I3W/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	2.0MP (1920×1080)	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. illumination	Color: 0.0004Lux@(F1.3, ACG ON)	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
Lens	2.8-12mm	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	S+265/H.265/H.264/M-JPEG
Frame rate	1920x1080@30fps	2560x1920@20fps	2560x1920@20fps	2560x1920@20fps
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
Operation Mode	Face recognition/Face capture/Intelligent Monitoring Mode	Intelligent Monitoring Mode	Intelligent Monitoring Mode	Intelligent Monitoring Mode
EWarning	Yes	Yes	Yes	Yes
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, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal	Tripwire, Double Tripwire, Perimeter, Video Abnormal, Audio Abnormal, Heat Map
Audio I/O	1/1, Mic in	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm I/O	2/1	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	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	4	14
IR range	N/A	Up to 50m	Up to 80m	Up to 30m
White LEDs	18	2	1	4
Power supply	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE	DC12V±20%/PoE
Waterproof&dustproof	IP67, IK10	IP67	IP67	IP67, IK10
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

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.

TC-C34LP Spec: I5/E/T/4mm	TC-H358M Spec: 44X/IT/A	TC-H388M Spec: 63X/IT/A
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
Pixell Interval	12μm	17μm
Response Waveband	8μm~14μm	8μm~14μm
NETD	≤50mK@25°C, F1.1, 25Hz	≤40mK@f/1.0
Measurement Range	30°C (86°F)~45°C (113°F)	-20°C (86°F)~150°C (302°F)
Thermal FOV	Horizontal: 51°, Vertical: 38.2°	Horizontal: 7.5°, Vertical: 5.6°
Measurement Accuracy	±0.5°C, ±0.3% with Blackbody	Max (±2°C, ±2%) @ Environment temperature: -20°C (-4°F) to +60°C (140°F)
Main Stream(Thermal)	PAL: 25fps (1280×960, 1024×768, 640×480, 256×192)	PAL: 25fps (384×288)
Image sensor	NTSC: 25fps (1280×960, 1024×768, 640×480, 256×192)	NTSC: 30fps (384×288)
Resolution	1/1.8"	1/1.8"
Frame Rate	4.0MP (2560×1440)	5.0MP (3072×1728)
Min. illumination	PAL: 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)
WDR	NTSC: 25fps (2560×1440, 1920×1080, 1280×720, 704×576)	NTSC: 30fps (3072×1728), 60fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×480, 640×480)
Optical Zoom	N/A	44x
Video Enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	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	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°C~30°C	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0~95%RH

Key Features

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

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	TC-H323Q Spec:04X/I/E	TC-H324S Spec:25X/I/E	TC-H324S Spec: 25X/I/E/V	TC-H326S Spec: 25X/I/E/C
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), 50fps (1280×720) NTSC: 30fps (1920×1080, 1280×960), 60fps (1280×720)	PAL: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 704×480) NTSC: 30fps (1920×1080, 1280×960, 1280×720, 704×576, 704×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 704×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 704×480)	PAL: 25fps (1920×1080, 1280×720, 704×576, 704×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 704×480)
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: 0.001lux@(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×	25×	25×
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)	Yes	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, Loitering, Running, Parking, Heatmap, Crowd, Demographics(People Counting), On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap	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	1/1	N/A
Alarm I/O	2/1	1/1	1/1	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 256 GB	Built-in Micro SD card slot, up to 256 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LEDs	3 pcs, 30m	6 pcs, 150m	6 pcs, 150m	6 pcs, 150m
White LEDs	1	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+	DC12V±10%/POE+
Waterproof& dustproof	IP40	IP66	IP67	IP67
Working temperature	-10°C~50°C, 0-90%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 (IR OFF), -30°C~40°C (IR ON), 0-95%RH

Model	TC-H326S Spec: 33X/I/E	TC-H326S Spec: 25X/I/E++/A	TC-H326S Spec: 33X/I/E++/A	TC-H356S Spec: 30X/I/E++/A	TC-H326M Spec:44X/I/W/A	TC-H356Q Spec:30X/I/W/E++/A
Image sensor	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/1.8"	1/2.8"
Resolution	2.0MP (1920×1080)	2.0MP (1920×1080)	2.0MP (1920×1080)	5.0MP(2592×1944)	2.0MP (1920×1080)	5.0MP(2592×1944)
Frame Rate	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×576, 640×480)	PAL: 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×576, 640×480)	PAL: 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×576, 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, 704×576, 640×480)	PAL: 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×576, 640×480)	PAL: 25fps (2592×1944,2592*1520,2560×1440, 2304×1296), 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×576, 640×480)
Min. illumination	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR	Color: 0.0008lux@(F1.6, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.5, ACG ON), BW: 0lux with IR
WDR	140dB	140dB	140dB	140dB	140dB	140dB
Optical Zoom	33×	25×	33×	30×	44×	30×
Digital Zoom	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
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
Auto-Tracking	N/A	N/A	Yes	Yes	Yes	Yes
Early Warning (EW)	Yes	N/A	N/A	N/A	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
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, Loitering, Running, Parking, Heatmap, Crowd, Demographics(People Counting), On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap	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	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
Audio I/O	1/1	1/1	1/1	N/A	1/1	1/1
Alarm I/O	2/1	1/1	1/1	N/A	8/2	8/2
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 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 256 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	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	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LEDs	6 pcs, 150m	10 pcs, 200m	10 pcs, 200m	10 pcs, 200m	8 pcs, 200m	8 pcs, 200m
White LEDs	N/A	N/A	N/A	N/A	2	2
Laser	N/A	N/A	N/A	N/A	N/A	N/A
Power supply	AC24V±15%/POE+	AC24V±15%/POE++	AC24V±15%/POE++	AC24V±15%/POE++	AC24V±15%	AC24V±15%/POE++
Waterproof& dustproof	IP67	IP67	IP67	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	-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	-40°C~70°C (IR OFF), -40°C~40°C (IR ON), 0-95%RH

Model					
TC-A3563 Spec: 44X/I/A					
TC-H358M Spec: 44X/IL/A					
TC-H388M Spec: 63X/IL/A					
TC-H389M Spec: 44X/LW/P/A					
TC-H3169M Spec: 44X/LW/P/A					
Image sensor	1/1.8"	1/1.8"	1/1.8"	1/1.8"	1/1.8"
Resolution	5.0MP (3072×1728)	5.0MP (3072×1728)	8.0MP (3840×2160)	8.0MP (4096×1800)	16.0MP (8192×1800)
Frame Rate	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)	PAL: 25fps (3840×2160, 3072×1728), 50fps (2560×1440, 2304×1296, 1920×1080, 704×576, 640×480) NTSC: 30fps (3840×2160, 3072×1728), 60fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 704×480, 640×480)	PTZ Camera: 1920×1080@60fps Panoramic Camera: 4096×1800@30fps	PTZ Camera: 1920×1080@60fps Panoramic Camera: 8192×1800@30fps
Min. illumination	Color: 0.0008Lux@(F1.6, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.6, ACG ON), BW: 0lux with IR	Color: 0.001lux@(F1.41, ACG ON), BW: 0lux with IR	Color: 0.0008Lux@(F1.5, ACG ON)	Color: 0.0008Lux@(F1.5, ACG ON)
WDR	140dB	140dB	140dB	140dB	140dB
Optical Zoom	44×	44×	63×	44×	44×
Digital Zoom	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
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
Auto-Tracking	Yes	Yes	Yes	Yes	Yes
Early Warning (EW)	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
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection	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, Video Abnormal, Crowd, Audio Abnormal, Demographics, On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, Video Abnormal, Crowd, Audio Abnormal, Heatmap, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, Video Abnormal, Crowd, Audio Abnormal, Heatmap, Safety Helmet Detection
Audio I/O	1/1	1/1	1/1	1/1	1/1
Alarm I/O	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 256 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/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LEDs	8 pcs, 180m	11 pcs, 200m	11 pcs, 200m	N/A	N/A
White LEDs	2	2	2	4	4
Laser	N/A	Yes, 800m	Yes, 800m	Yes, 500m	Yes, 500m
Power supply	AC24V±15%	AC24V±15%	AC24V±15%	AC24V±15%	AC24V±15%
Waterproof& dustproof	IP66	IP67	IP67	IP66	IP66
Working temperature	-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 (IR OFF), -40°C~40°C (IR ON), 0~95%RH	-30°C~65°C, 0~95% RH	-30°C~65°C, 0~95% RH

NVR Lite

Tiandy Lite N NVR provide most cost efficient choice for video surveillance system, main market of which is distribution market. Where IP camera at 2MP resolution are popular, Lite N series products will be the best choice. Lite K series NVR also face 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 camera at 5MP or 8MP resolution are popular. Lite H series NVR face 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**

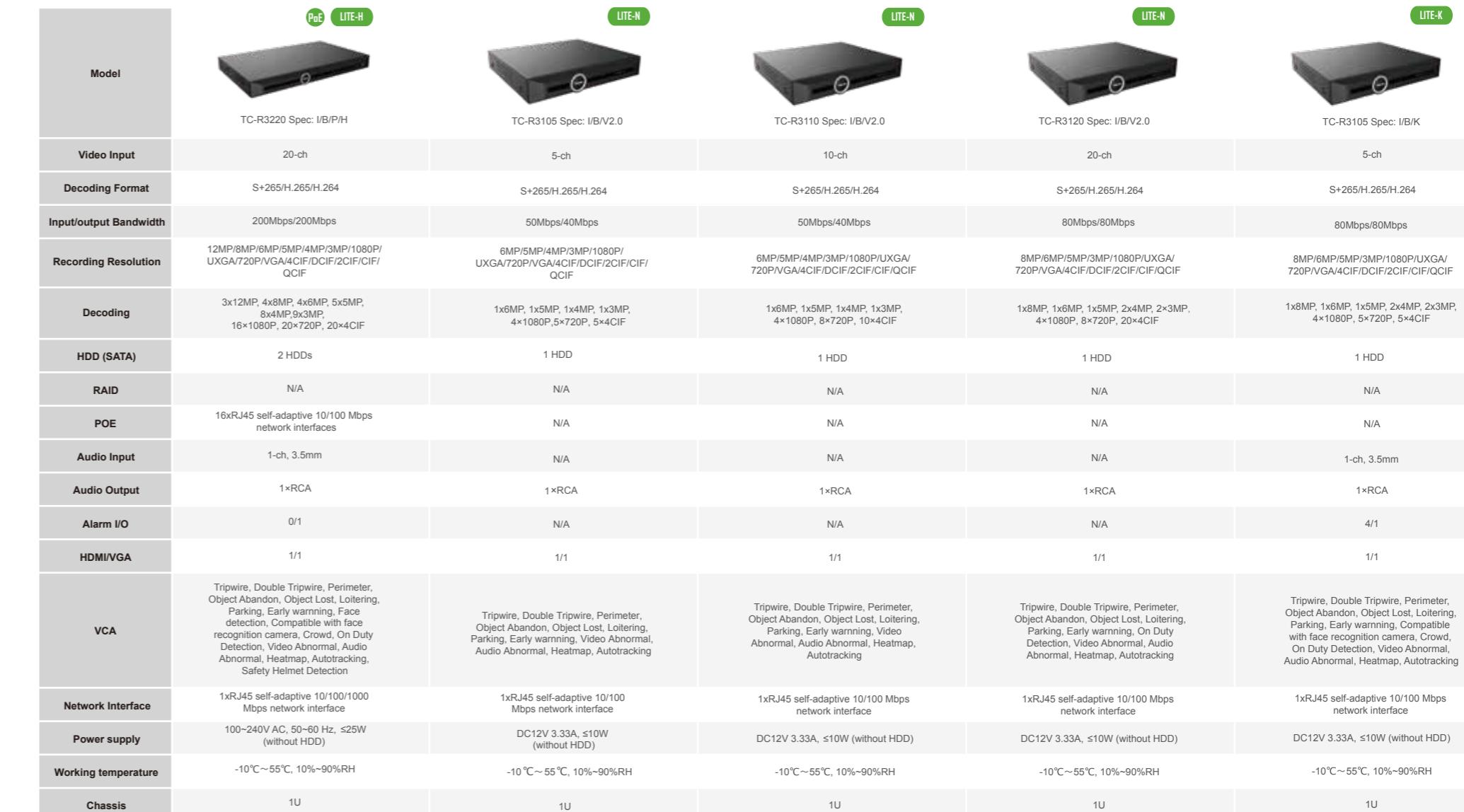
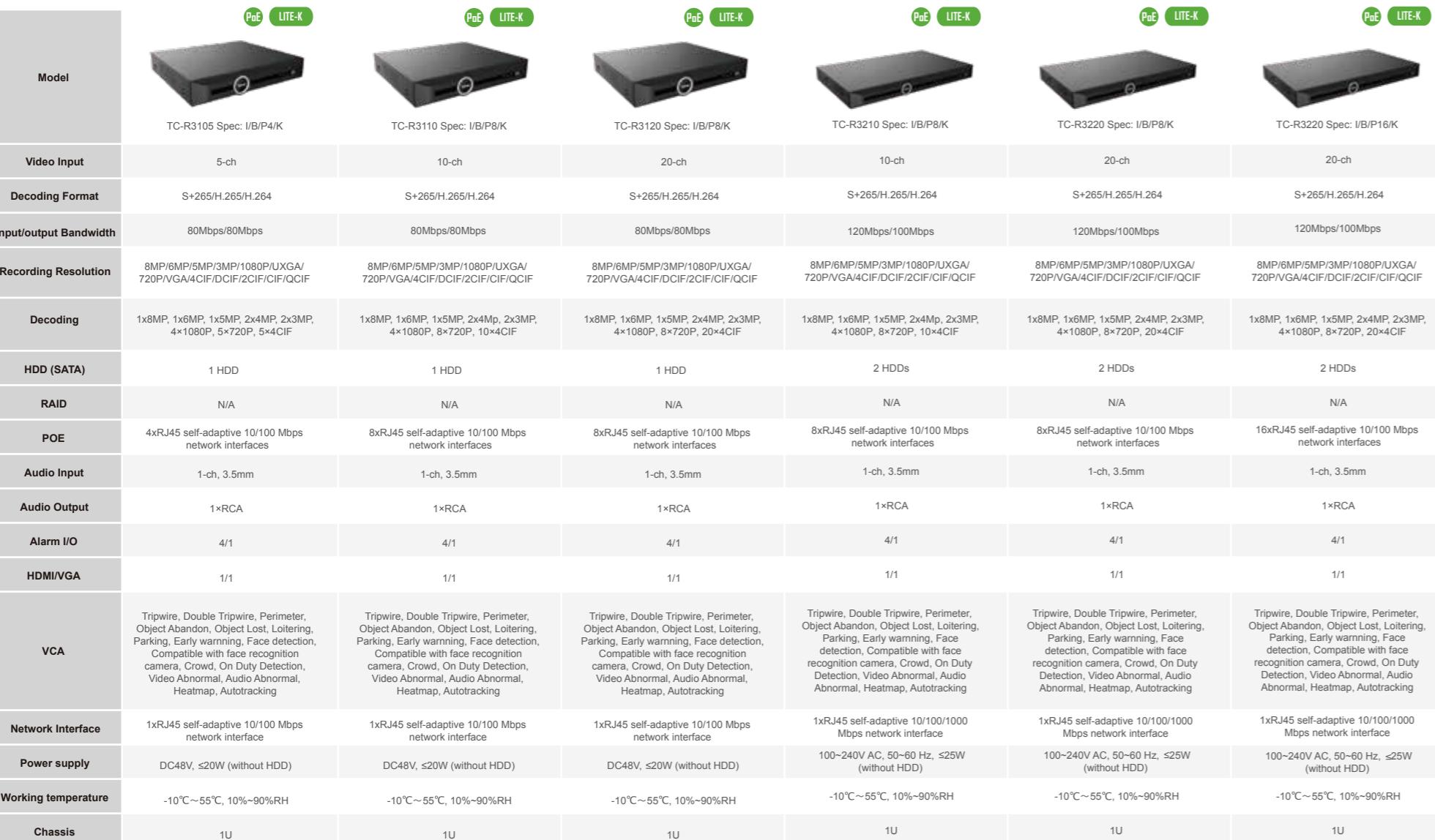
- **Lite K 1×8MP decoding**

- **Lite H 4×8MP decoding**

- **EWarning**

- **P2P connection**

Model		
TC-R3105 Spec: I/B/P	5-ch	10-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	50Mbps/40Mbps	50Mbps/40Mbps
Recording Resolution	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1x6MP, 1x5MP, 1x4MP, 1x3MP, 4x1080P, 5x720P, 5x4CIF	1x6MP, 1x5MP, 1x4MP, 2x3MP, 4x1080P, 8x720P, 10x4CIF
HDD (SATA)	1 HDD	1 HDD
RAID	N/A	N/A
POE	4xRJ45 self-adaptive 10/100 Mbps network interfaces	8xRJ45 self-adaptive 10/100 Mbps network interfaces
Audio Input	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1xRCA	1xRCA
Alarm I/O	0/1	0/1
HDMI/VGA	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Early warning, Video Abnormal, Crowd, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Early warning, Video Abnormal, Crowd, Audio Abnormal, Heatmap, Autotracking
Network Interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface
Power supply	DC48V, ≤20W (without HDD)	DC48V, ≤20W (without HDD)
Working temperature	-10°C~55°C, 10%~90%RH	-10°C~55°C, 10%~90%RH
Chassis	1U	1U



Model	LITE-K	LITE-K	LITE-K	LITE-K	LITE-H	LITE-H	LITE-H
TC-R3110 Spec: I/B/K							
TC-R3120 Spec: I/B/K							
TC-R3210 Spec: I/B/K							
TC-R3220 Spec: I/B/K							
TC-R3240 Spec: I/B/N/H							
TC-R3420 Spec: I/B/N/H/C							
TC-R3440 Spec: I/B/N/H/C							
Video Input	10-ch	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	S+265/H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	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	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	1x8MP, 1x6MP, 1x5MP, 2x4MP, 2x3MP, 4x1080P, 8x720P, 10x4CIF	1x8MP, 1x6MP, 1x5MP, 2x4MP, 2x3MP, 4x1080P, 8x720P, 20x4CIF	1x8MP, 1x6MP, 1x5MP, 2x4MP, 2x3MP, 4x1080P, 8x720P, 10x4CIF	1x8MP, 1x6MP, 1x5MP, 2x4MP, 2x3MP, 4x1080P, 8x720P, 20x4CIF	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P, 40x4CIF	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 20x720P, 20x4CIF	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P, 40x4CIF
HDD (SATA)	1 HDD	1 HDD	2 HDDs	2 HDDs	2 HDDs	4 HDDs	4 HDDs
RAID	N/A	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	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	1-ch, 3.5mm
Audio Output	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA	1×RCA
Alarm I/O	4/1	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	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking
Network Interface	1xRJ45 self-adaptive 10/100 Mbps 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)	100~240V AC, 50~60 Hz, ≤25W	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	-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	1.5U	1.5U

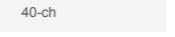
NVR Pro&Ultra

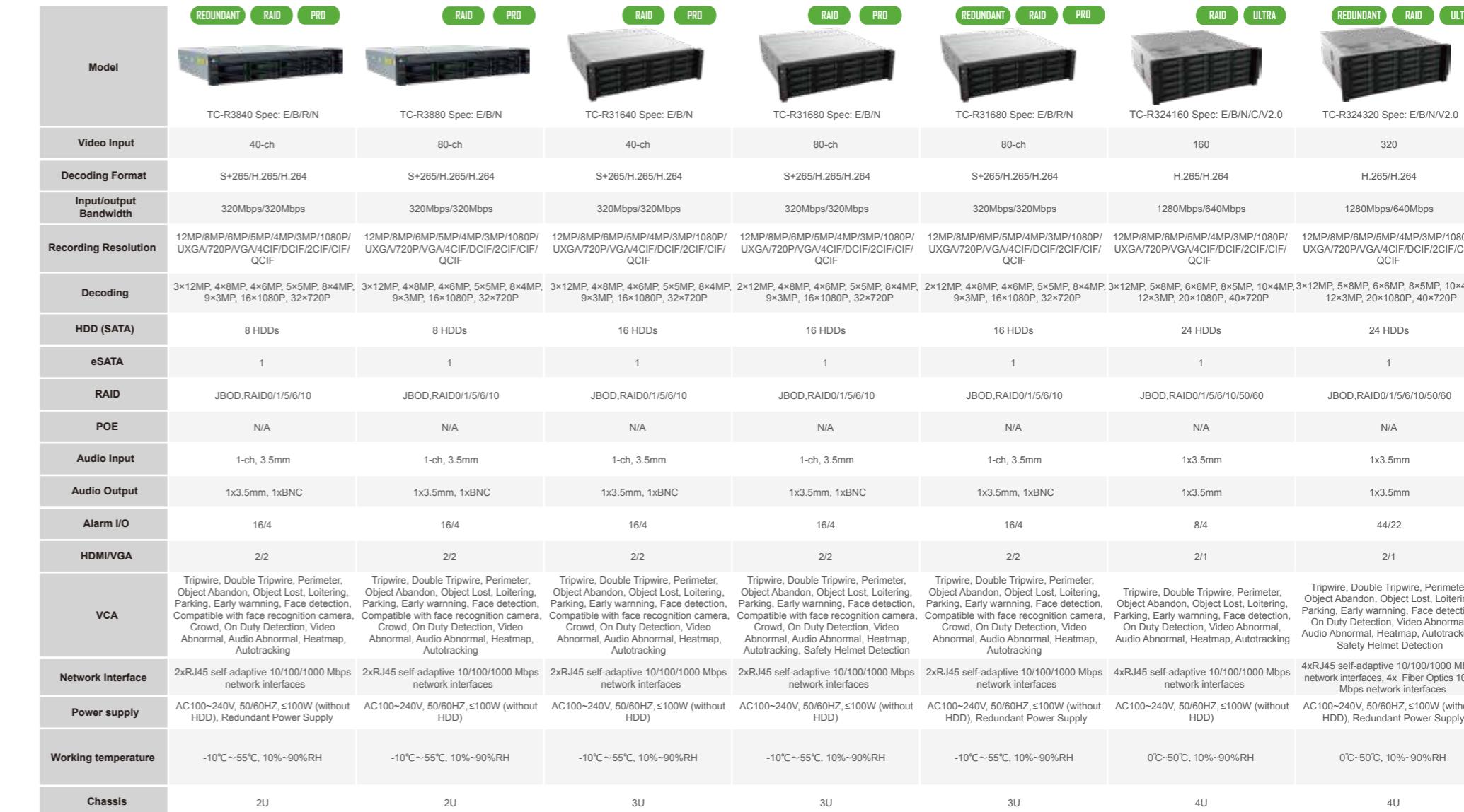
Pro & Ultra series face to SMB project. It could be used as an item, which could control the tender due to their powerful index of interfaces and bandwidth. Tiandy NVR provide 25% more access than regular products, which enables plug and play, automatically adds IPC, quickly plots without configuration 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.

Model	PoE	PRO	PoE	PRO	PoE	PRO	PoE	PRO
TC-R3210 Spec: I/B/P8/H			TC-R3220 Spec: I/B/P8/H		TC-R3220 Spec: I/B/P16/H		TC-R3420 Spec: I/B/P16/H	
Video Input	10-ch		20-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	
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/2CIF/CIF/QCIF		12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
Decoding	3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 32x720P, 40x4CIF		3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 20x720P, 20x4CIF		3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 20x720P, 20x4CIF		3x12MP, 4x8MP, 4x6MP, 5x5MP, 8x4MP, 9x3MP, 16x1080P, 20x720P, 20x4CIF	
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		N/A	
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		16xRJ45 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	
Audio Output	1xRCA		1xRCA		1xRCA		1xRCA	
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, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking		Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking		Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking		Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	
Network Interface	1xRJ45 self-adaptive 10/100 Mbps 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	
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)		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		-10°C~55°C, 10%~90%RH	
Chassis	1U		1U		1.5U		1.5U	

Key Features

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

Model	PoE	PRO	RAID	PRO	RAID	PRO	RAID	PRO	RAID	PRO	RAID	PRO	RAID	PRO
														
	TC-R3440 Spec: I/B/P16/H	TC-R3420 Spec: I/B/N	TC-R3440 Spec: I/B/N	TC-R3820 Spec: I/B/N	TC-R3840 Spec: I/B/N	TC-R3880 Spec: I/B/N	TC-R3840 Spec: E/B/N							
Video Input	40-ch	20-ch	40-ch	20-ch	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	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	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	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							
Decoding	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	9×3MP, 16×1080P, 20×720P	3×12MP, 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, 20×720P	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P	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	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P						
HDD (SATA)	4 HDDs	4 HDDs	4 HDDs	8 HDDs	8 HDDs	8 HDDs	8 HDDs							
eSATA	N/A	N/A	N/A	1	1	1	1							
RAID	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10	JBOD, RAID0/1/5/6/10							
POE	16xRJ45 self-adaptive 10/100 Mbps network interfaces	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	1-ch, 3.5mm							
Audio Output	1xRCA	1xRCA	1xRCA	1xRCA, 1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC	1x3.5mm, 1xBNC							
Alarm I/O	16/4	16/4	16/4	16/4	16/4	16/4	16/4							
HDMI/VGA	1/1	1/1	1/1	2/2	2/2	2/2	2/2							
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early warning, Face detection, Compatible with face recognition camera, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Autotracking, Safety Helmet Detection						
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	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	100~240V AC, 50~60 Hz, ≤25W (without HDD)	DC12V 5A, ≤40W (without HDD)	DC12V 5A, ≤40W (without HDD)	AC100~240V, 50/60Hz, ≤80W (without HDD)	AC100~240V, 50/60Hz, ≤80W (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	-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	1.5U	1.5U	1.5U	1.5U	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 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-efficient 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
- EWarning
- Human/Vehicle Classification

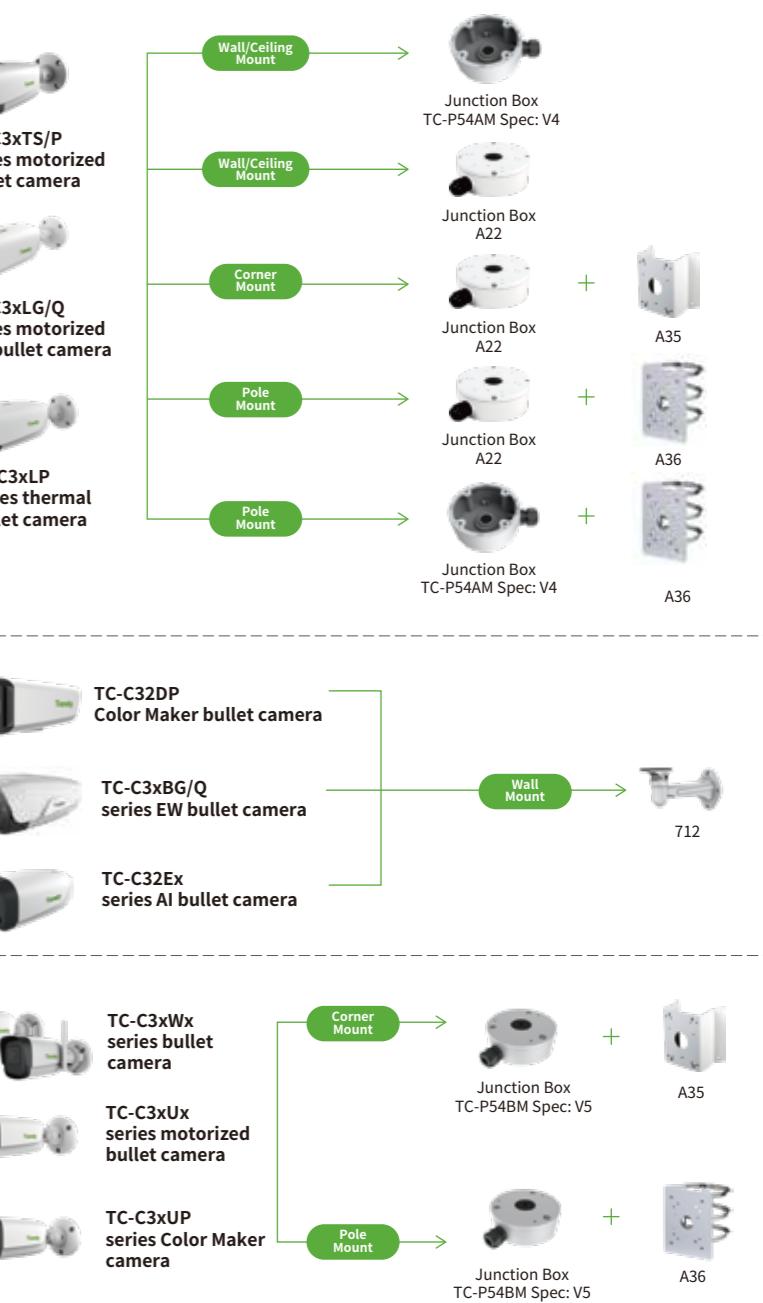
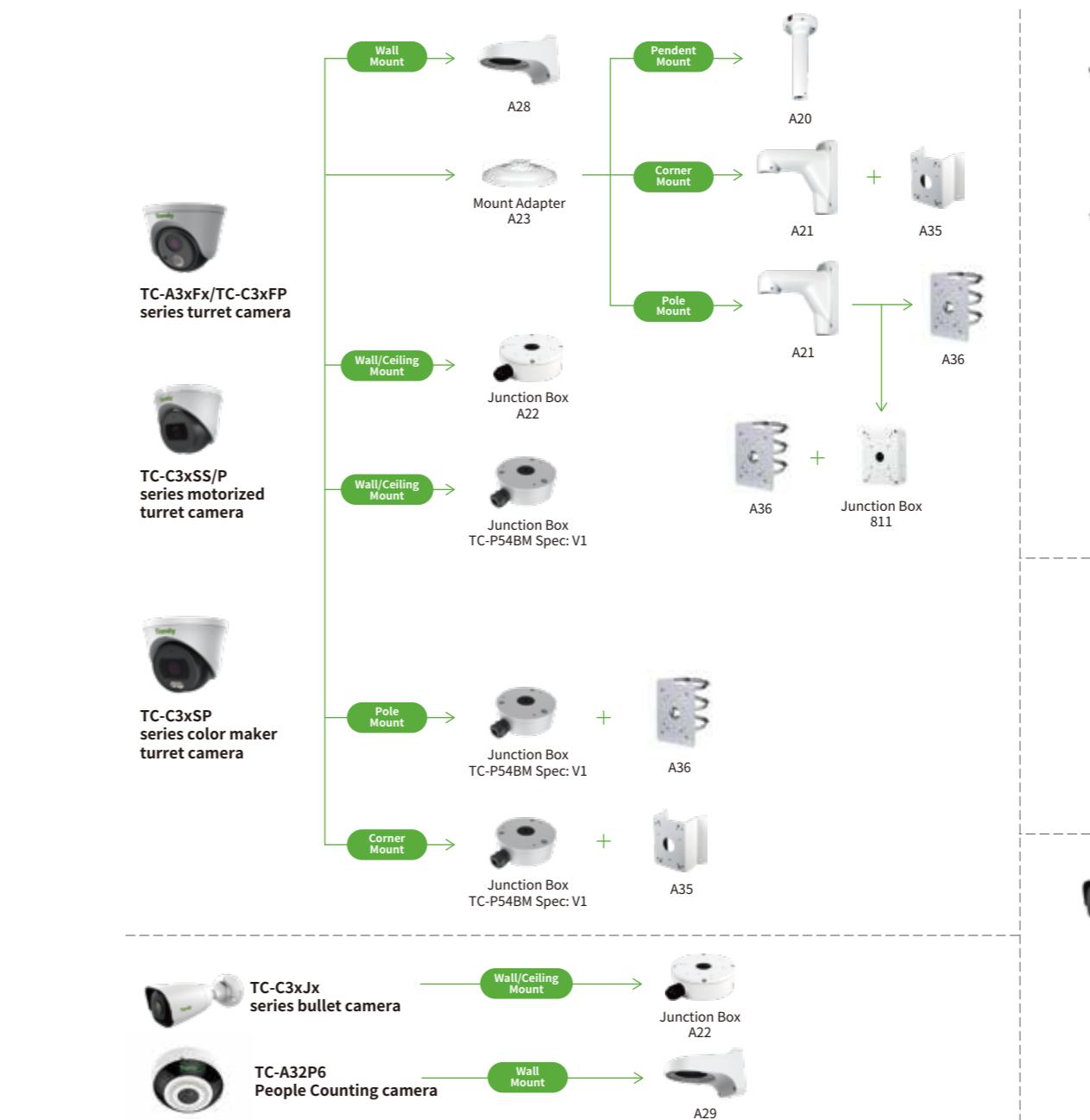
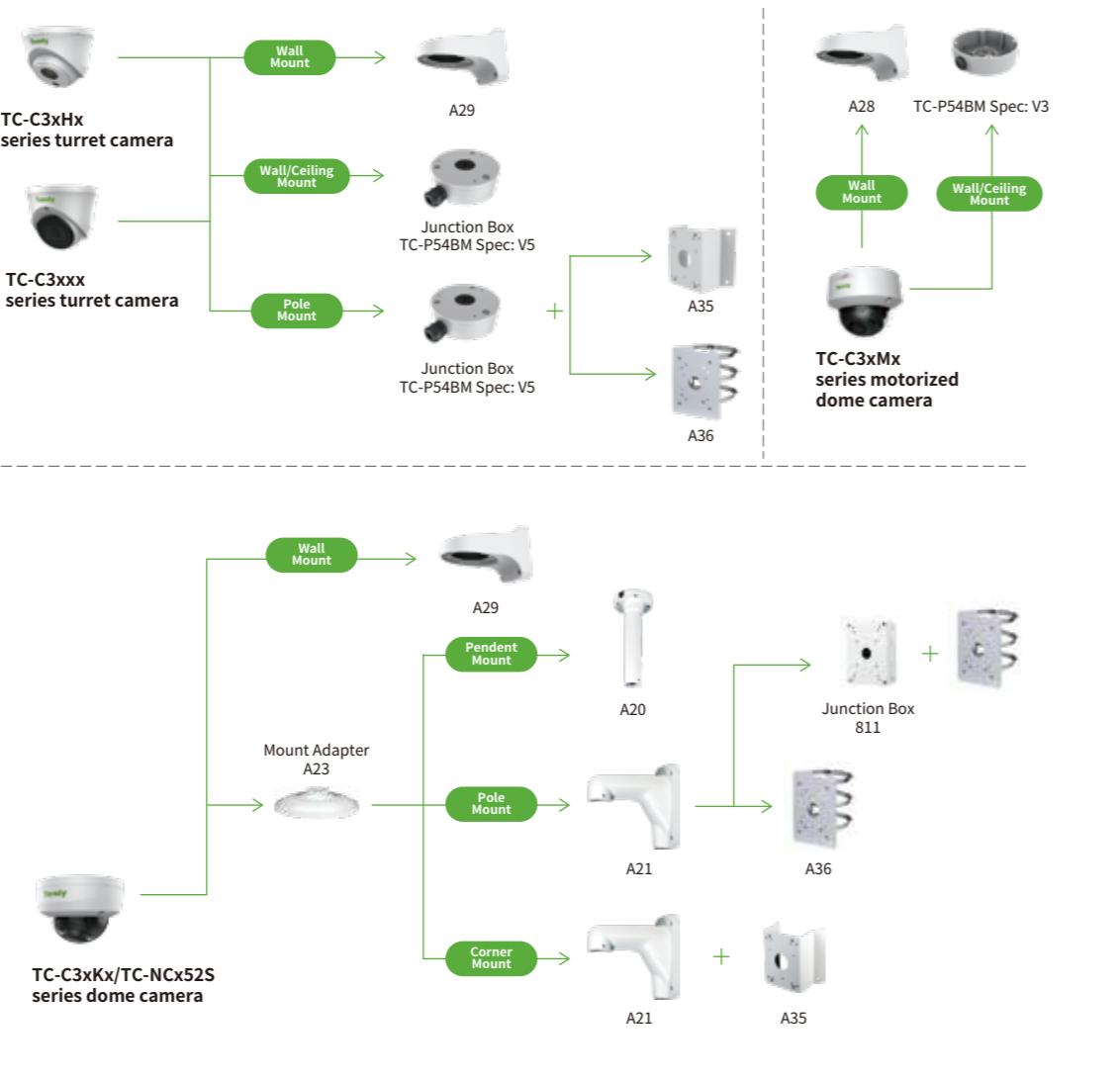
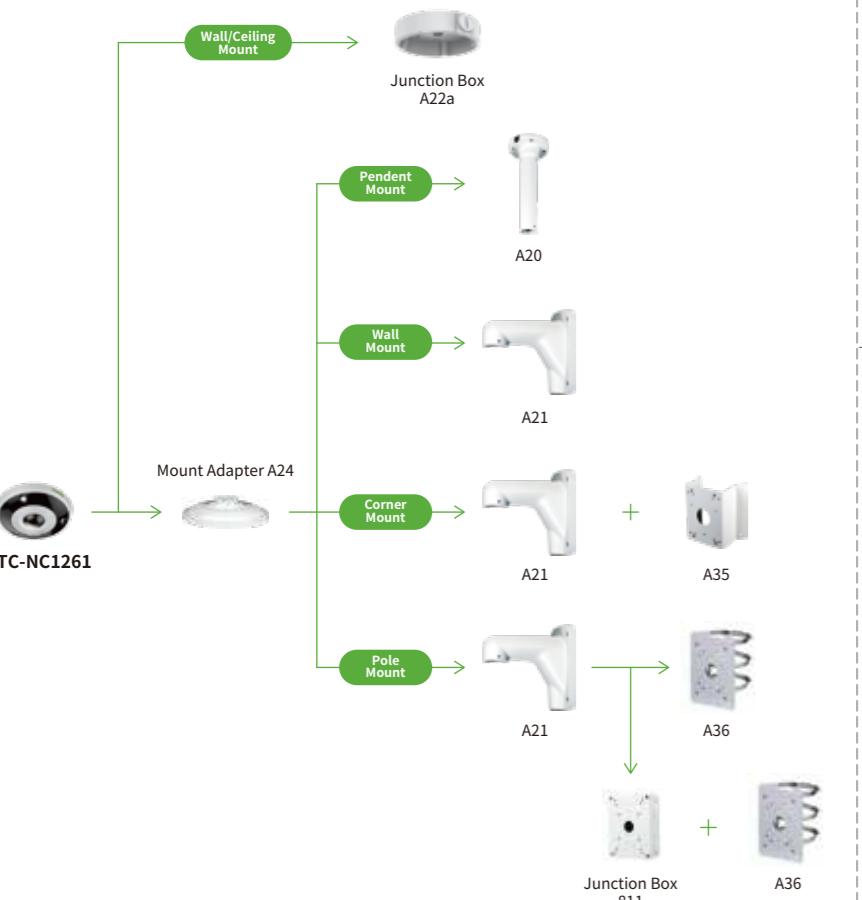
Model	TC-R3105 Spec: I/F	TC-R3210 Spec: I/F	TC-R3820 Spec: I/F/N	TC-R3840 Spec: I/F/N
Video Input	5-ch	10-ch	20-ch	40-ch
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	80Mbps/80Mbps	400Mbps/200Mbps	400Mbps/200Mbps
Recording 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
Decoding	1×5MP, 1×4MP, 3×1080P, 5×720P	1×5MP, 1×4MP, 3×1080P, 5×720P, 10×4CIF	2×12MP, 3×4K, 5×5MP, 7×4MP, 15×1080P, 30×720P, 20×4CIF	2×12MP, 3×4K, 5×5MP, 7×4MP, 15×1080P, 30×720P, 40×4CIF
HDD (SATA)	1 HDD	2 HDDs	8 HDDs	8 HDDs
eSATA	N/A	N/A	1	1
RAID	N/A	N/A	JBOD, RAID0/1/5/10	JBOD, RAID0/1/5/10
POE	N/A	N/A	N/A	N/A
Audio Input	N/A	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	N/A	1×RCA	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
Alarm I/O	N/A	0/1	16/4	16/4
HDMI/VGA	1/1	1/1	2/2	2/2
Face Library/Pictures	32/10,000	32/10,000	32/50,000	32/50,000
Face Recognition Capability	1 Video Stream 5 Picture Steam	1 Video Stream 5 Picture Steam	8 Video Stream 16 Picture Steam	8 Video Stream 16 Picture Steam
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, Face Recognition, People Counting, Crowded, 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, Face Recognition, People Counting, Crowded, 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, Face Recognition, People Counting, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, Auto-Tracking, Early Warning (EW)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, On Duty Detection, Crowd Detection, Video Abnormal, Audio Abnormal, Face Detection, Auto-tracking, Demographics, Early Warning
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 interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
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)
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
Chassis	1U	1U	2U	2U

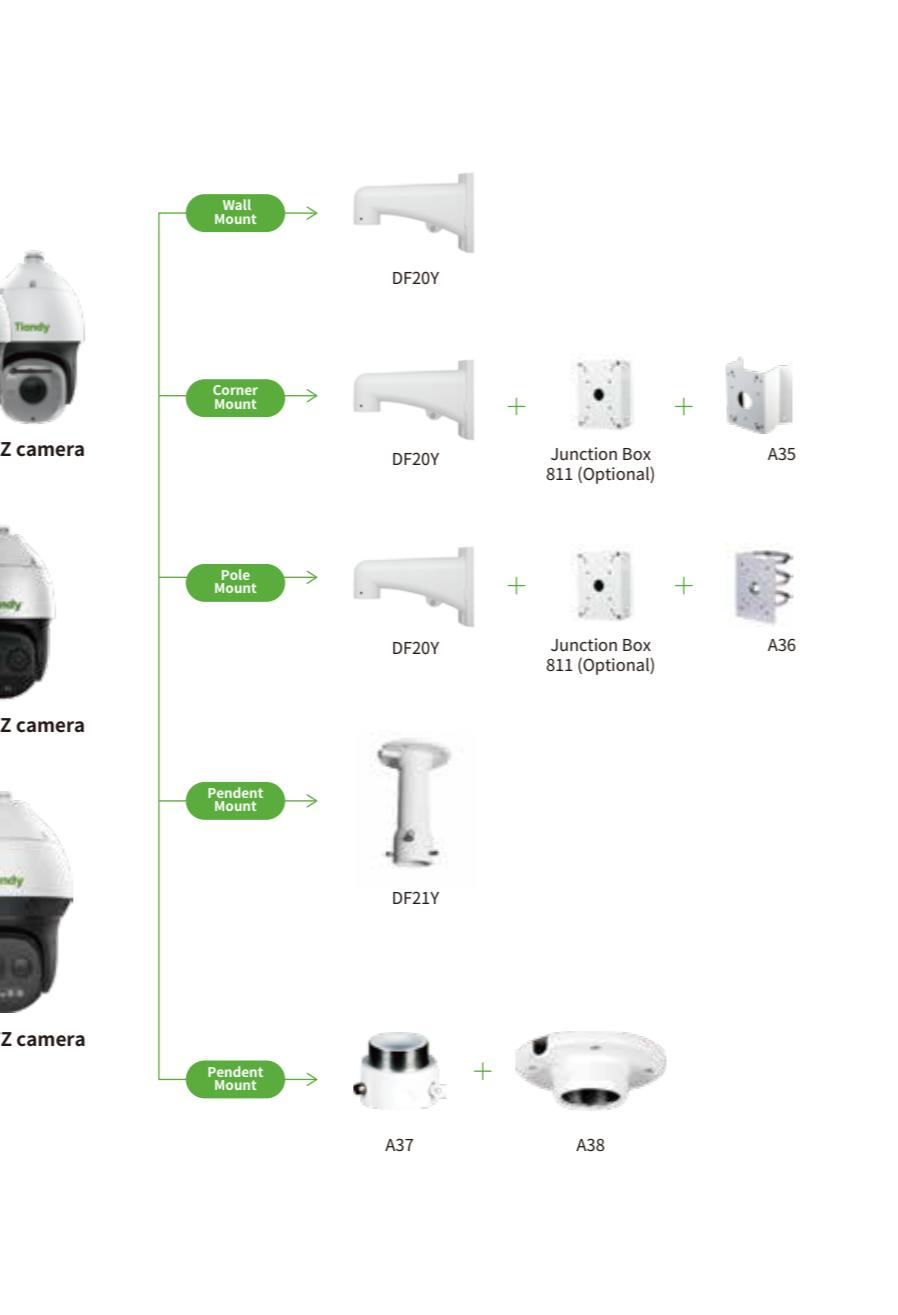
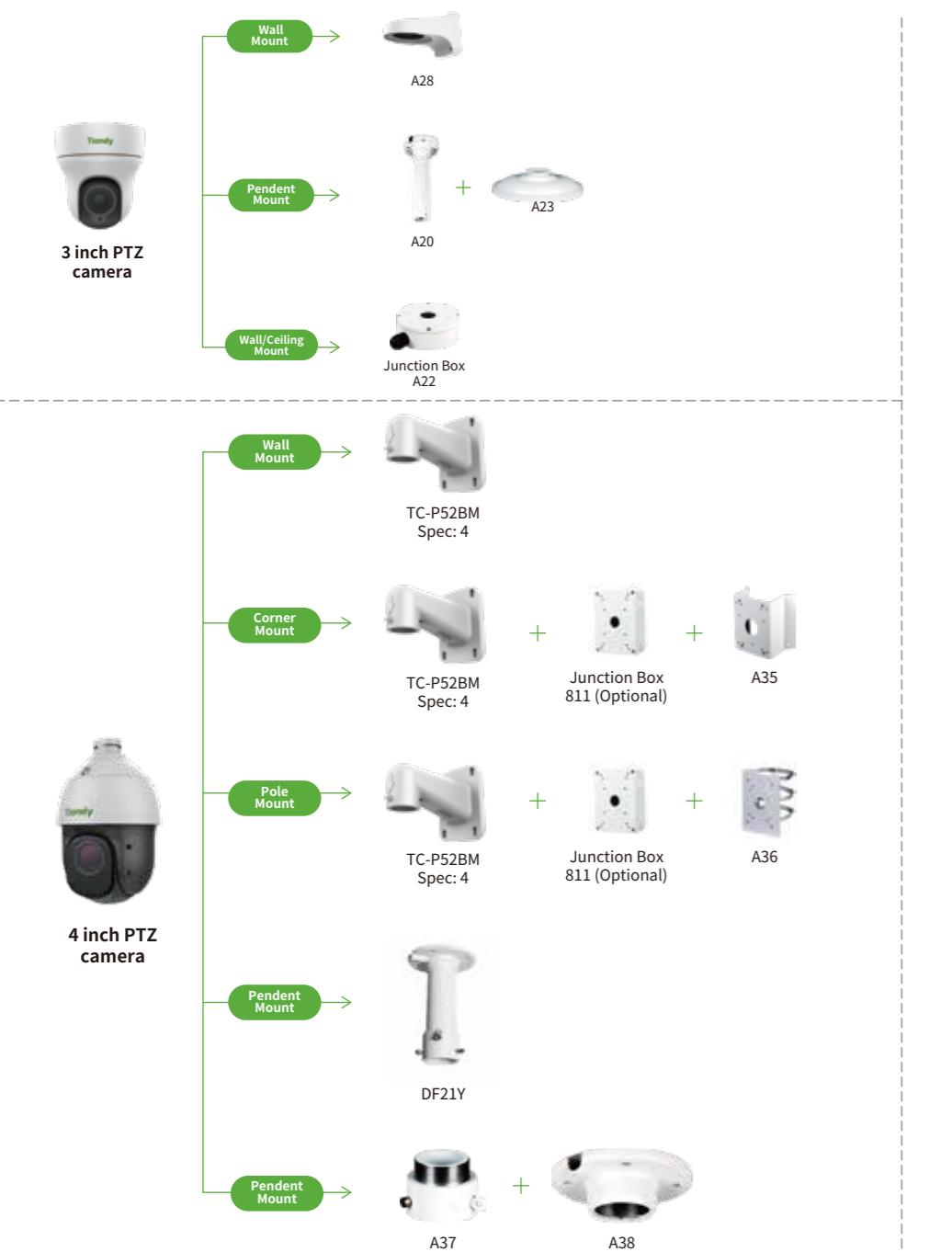
XVR

Tiandy 5 in 1 XVRs support 5 signal types input: TVI, CVI, AHD, CVBS and IP. They could support resolution up to 4K, not only the IP cameras, but also HD analog cameras. Besides VCA functions are also supported by these models, that will provide more value for analog system. Tiandy XVR could be widely used in migrating current analog system to HD analog system or hybrid system in a low cost.

Model	TC-R3204 Spec: I/B/X	TC-R3208 Spec: I/B/X	TC-R3216 Spec: I/B/X
Signal type	5 in 1 TVI/CVI/AHD/CVBS/IP	5 in 1 TVI/CVI/AHD/CVBS/IP	5 in 1 TVI/CVI/AHD/CVBS/IP
Video Input	4-ch BNC, 4-ch IP (up to 8-ch)	8-ch BNC, 8-ch IP (up to 16-ch)	16-ch BNC, 16-ch IP (up to 32-ch)
Encoding Format	H.265/H.264	H.265/H.264	H.265/H.264
Decoding Format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Input/output Bandwidth	80Mbps/80Mbps	128Mbps/128Mbps	128Mbps/128Mbps
Recording Resolution	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
Decoding	1×4K, 1×5MP, 2×4MP, 4×1080P, 8×720P	2×4K, 3×5MP, 4×4MP, 8×1080P, 16×720P	4×4K, 6×5MP, 8×4MP, 16×1080P, 32×720P
HDD (SATA)	2 HDDs	2 HDDs	2 HDDs
eSATA	N/A	4-ch, RCA	4-ch, RCA
Audio Input	4-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio Output	1×RCA	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
Alarm I/O	4/1	8/4	16/4
HDMI/VGA	1/1	1/1	1/1
VCA (analog channels)	Tripwire, Double Tripwire, Video Abnormal, Audio Abnormal (Supports analog 1 to 4-ch)	Tripwire, Double Tripwire, Video Abnormal, Audio Abnormal (Supports analog 1 to 4-ch)	Tripwire, Double Tripwire, Video Abnormal, Audio Abnormal (Supports analog 1 to 4-ch)
VCA (IP channels)	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, On Duty Detection, Crowd Detection, Video Abnormal, Audio Abnormal, Face Detection, Auto-tracking, Demographics, Early Warning	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, On Duty Detection, Crowd Detection, Video Abnormal, Audio Abnormal, Face Detection, Auto-tracking, Demographics, Early Warning	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, On Duty Detection, Crowd Detection, Video Abnormal, Audio Abnormal, Face Detection, Auto-tracking, Demographics, Early Warning
BNC Interface	4	8	16
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, ≤10W (without HDD)	DC12V, ≤20W (without HDD)	DC12V, ≤25 W (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

Mount Accessories





Tiandy Naming Rules V3.0

Network Camera									
example:	TC-C32WN Spec:I5/E/Y/4mm			2MP IR Mini Bullet Camera		Type	Effect	Light supplement	Functions
Company	TC-	C	3	Resolution	W	N	Spec: I5	/E/Y	Lens
Tiandy Product	TC-	C- IP Camera	A- AI IPC	Overseas model	2- 2MP	A- Box	N- Normal	N/A- NO IR	2mm
					3- 3MP	B/D/E- Fix Bullet	S- Starlight	I2- 20m IR	2.8mm
					4- 4MP	F- Fix Dome	P- Super Starlight	I3- 30m IR	3.6mm
					5- 5MP	G- Mini Bullet	U- Super Starlight V3.0	I5- 50m IR	4mm
					8- 8MP	H- Turret	X- Super Starlight V4.0	I8- 80m IR	J- Distortion correction
					12- 12MP	J- Metal Mini Bullet	V- Normal EW	W- White Light	D- SDI
						K- Mini Dome	Q- Starlight EW	YX- Super Mini	6mm
						L- VF Bullet	G- Super Starlight V3.0 EW	Y- Audio	8mm
						M- VF Dome	T- Super Starlight V4.0 EW	2.8-12mm	2.7-13.5mm
						N- Longrange Bullet	1- K5 series		N/A: V1.0
						P- Super Mini	2- TD series		V2.0: V2.0
						Q- Fisheye	4- Face Recognition		
						S- VF Turret	6- People Counting		
						T- VF Bullet			
						U- VF Bullet			
						W- Fix Bullet			
						X- Fix Turret			
PTZ Camera									
example:	TC-H358M Spec: 44X/IL/A			5MP 44X Super Starlight IR Laser EW PTZ Camera		Size	Effect	Zoom	Light supplement
Company	TC-	H	3	Resolution	5	8	M	Spec: 44X	Functions
Tiandy Product	TC-	H- PTZ	A- Face Capture PTZ	Overseas model	2- 2MP	3- 3inch	S- Starlight	IL- IR	N/A: V1.0
					3- 3MP	4- 4inch	P- Super Starlight	20- 20x	E- POE
					5- 5MP	6- 6inch	U- Super Starlight V3.0	25- 25x	E+- POE++
					8- 8MP	9- 9inch	X- Super Starlight V4.0	30- 30x	P- Panoramic
					16- 16MP		Q- Starlight EW	33- 33x	A- Auto-tracking
							M- Super Starlight EW	44- 44x	L- Laser
							G- Super Starlight V3.0 EW	63- 63x	
							T- Super Starlight V4.0 EW		
							3- Face Capture		
NVR									
example:	TC-R3220 Spec:I/B/P16/K			H.265 20ch 2HDD POE NVR		Hard Drive	Input	Structure Type	Functions
Company	TC-	R	3	Product	2	20	Spec: I	B	version
Tiandy Product	TC-	R- NVR	A- Internal HDD Installation	Overseas model	1- 1HDD	05- 5CH	I- Internal HDD Installation	B- Basis	N/A: Default
					2- 2HDD	10- 10CH	E- External HDD Installation	C- Car	V2.0: V2.0
					4- 4HDD	20- 20CH		F- Face	
					8- 8HDD	40- 40CH			
					16- 16HDD	80- 80CH			
					24- 24HDD	160- 160CH			
						320- 320CH			
									X- XVR