www.tiandy.com



SMART IP SOLUTION

IP Camera · Speed Dome · NVR · CMS

Tiandy

Tiandy Technologies Co., Ltd.

No.8, Huake Rd2, Binhai Hi-Tech Industry Park(Huayuan) Tianjin 300384 China TEL: +86-22-58596065 FAX: +86-22-58596177 Email: sales@tiandy.com

Distributor Information

www.tiandy.com Version 1.8.03

ABOUT TIANDY

TIANDY is one of Top11 leading video surveillance manufacturers in the world. We offer full range of IP products, with our strong R&D team of 800+ engineers, we keep to offer up-to-date technology to support our partners in different applications.

By following ISO9001 standard and strict internal QC system, now we are able to control the defect rate of our product to be lower than 1%. Moreover, TIANDY is one of ONVIF Full Members in the world, which ensure our products to work perfectly with most of the popular brands of IP products in the market. With 30%+ annual increasing rate, we are confident to become a key player and make contribution to the safety of the world.



SUCCESSFUL CASE







BMW Workshop

China National Stadium



UK-London



Turkey-Istanbul

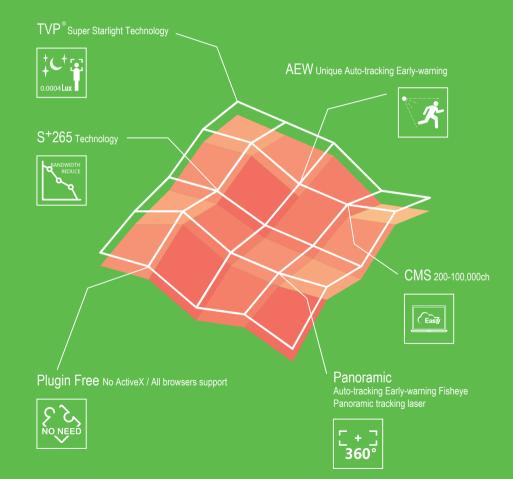
Ecuador-Quito Ta

Tajikistan-Duschanbe

Brazil-Natal

China-Shanghai

TIANDY HIGHLIGHTS







Super Starlight

TVP Starlight Technology

- Ultra Low Light 0.0004Lux
 Enhance SNR by 7dB
- Color Accuracy 30% ↑
- Lowlight Color Image Quality 38% ↑
 Sharpness Self-adaption



Real Scene

Super Starlight





Tiandy Panoramic Laser PTZ

• 180° / 360° Panoramic view + Tracking

- Auto-tracking Early Warning
- Laser: 500m+ night vision
- 44x ultra zooming
- Gyroscope, Wifi



LONG DISTANCE 500M

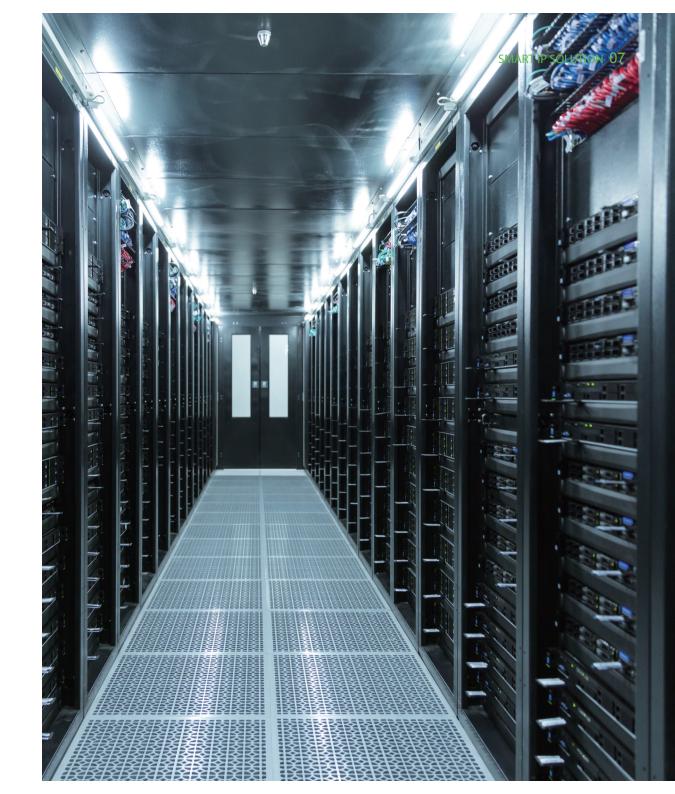
AUTO-TRACKING EARLY-WARNING

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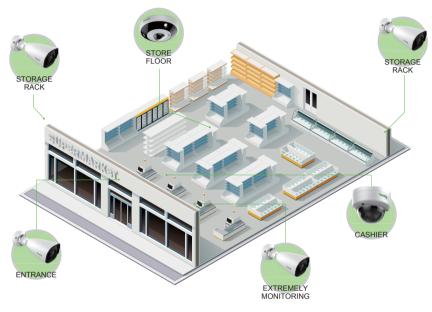


320ch/160ch management
Redundant power
TV Wall
24HDD+Extended Storage
Raid 0,1,5,6





SOLUTIONS



Retail

• Fisheye:12MP/Panoramic/Heat map

- Mini Bullet: People counting
- Mini Dome: Face detection
- Super Starlight Camera for night view
- 4K H.265 Management NVR



Industrial

- Exclusive AEW solution, reached pre-warming.
- Leading super-starlight technology, high quality night vision.
- Full series VCA function, more than 10 types.
- Newly fish eye panoramic camera, equipped with Auto-tracking.

LITE SERIES

Model	9 - 23	Tiandy	0-1	Tlandy	0-03	Trendy	0 - 0	Trandy
	TC-NCL514S	TC-NCL522S	TC-NCL214S	TC-NCL222S	TC-NCL214	TC-NCL222	TC-NCL23MN	TC-NCL24MN
Image Sensor	1/2.8" CMOS	1/2.8" 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
Min. Illumination	Color: 0.002Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)	Color: 0.002Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.001 Lux @(F1.2, AGC ON)	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.001 Lux @(F1.2, AGC ON)	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)	Color: 0.5 Lux @(F1.2, AGC ON) B/W: 0.25Lux @(F1.2, AGC ON)	Color: 0.5 Lux @(F1.2, AGC ON) B/W: 0.25Lux @(F1.2, AGC ON)
Lens	4mm	2.8mm	4mm	2.8mm	4mm	2.8mm	2.8 - 9mm	2.8 - 9mm
WDR	120dB	120dB	140dB	140dB	100dB	100dB	100dB	100dB
Video Compression	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+ 265/H.264/M-JPEG	S+ 265/H.264/M-JPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	H.264/M-JPEG	H.264/M-JPEG
Max. Image Resolution	5MP	5MP	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Frame Rate	5MP(2560*1920)@20fps	5MP(2560*1920)@20fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	1920X1080@20fps	1920X1080@20fps
HLC	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Smart Defog	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
IR Range	20m-30m	20m-30m	20m-30m	20m-30m	20m-30m	20m-30m	30m-50m	20m-30m
POE	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Audio I/O	N/A	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	N/A
Working Temperature	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON), 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON), 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -30°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -30°C ~ 40°C(IR ON) 0 ~ 95% RHG
Power Supply	DC 12V±10%,PoE (802.3af)	DC 12V±10%,PoE (802.3af)	DC 12V ± 10%, PoE (802.3af)	DC 12V ± 10%, PoE (802.3af)	DC 12V ± 10%, PoE (802.3af)	DC 12V ± 10%, PoE (802.3af)	DC12V±25%, PoE (802.3af)	DC12V±25%,PoE (802.3af)
IP Protection	IP67	IP66	IP67	IP66	IP67	IP66	IP67	IP66
Memory Slot	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter	N/A	N/A
System Compatibility	ONVIF (Profile S),SDK,CGI	ONVIF (Profile S),SDK,CGI	ONVIF (Profile S), SDK,CGI	ONVIF (Profile S), SDK,CGI	ONVIF (Profile S),SDK,CGI	ONVIF (Profile S),SDK,CGI	ONVIF (Profile S), SDK,CGI	ONVIF (Profile S), SDK,CGI

PRO SERIES

Model	Score Salaga	Testy Testy	0-0	- Contraction of the second se		Tony • • • •	Service Service	Surphy Surphy
	TC-NC514S	TC-NC552S	TC-NC414	TC-NC452	TC-NC43M	TC-NC44M	TC-NC214S	TC-NC252S
Image Sensor	1/3" CMOS	1/3" CMOS	1/3* CMOS	1/3* CMOS	1/3" CMOS	1/3* CMOS	1/2.8" CMOS	1/2.8" CMOS
Min. Illumination	Color: 0.002Lux(F1.2,AGC ON) B/W: 0.001Lux(F1.2,AGC ON)	Color: 0.002Lux(F1.2,AGC ON) B/W: 0.001Lux(F1.2,AGC ON)	Color: 0.05Lux(F1.2,AGC ON) B/W: 0.01Lux(F1.2,AGC ON)	Color: 0.05Lux(F1.2,AGC ON) B/W: 0.01Lux(F1.2,AGC ON)	Color: 0.05Lux(F1.2,AGC ON) B/W: 0.01Lux(F1.2,AGC ON)	Color: 0.05Lux(F1.2,AGC ON) B/W: 0.01Lux(F1.2,AGC ON)	Color: 0.002 Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)	Color: 0.002Lux(F1.2,AGC ON) B/W: 0.001Lux(F1.2,AGC ON)
Lens	4mm	2.8mm	4mm	2.8mm	Motorized 2.8-12mm	Motorized 2.8-12mm	4mm	2.8mm
Day& Night	Dual IR Cut Filter with Auto Switch	Dual IR Cut Filter with Auto Switc	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
WDR	120 dB	120dB	120dB	120 dB	120 dB	120 dB	140dB	140 dB
Focus	Fixed	Fixed	Fixed	Fixed	Auto	Auto	Auto	Auto
Video Compression	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.265/H.264H/H.264M/H.264B/MJPEG	S+265/H.265/H.264/M-JPEG
Max. Image Resolution	2560x1920	2560x1920	2560×1440	2560×1440	2560x1440	2560x1440	1920x1080	1920x1080
Frame Rate	5MP(2560*1920)@20fps	5MP(2560*1920)@20fps	2560×1440@30fps	2560×1440@30fps	2560x1440@30fps	2560x1440@30fps	1920x1080@30fps	1920x1080@30fps
HLC	Y	Υ	Υ	Y	Υ	Y	Y	Υ
Smart Defog	Y	Υ	Υ	Y	Υ	Y	Y	Υ
Corridor	Y	Y	Y	Y	Υ	Y	Υ	Υ
VCA	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Los/Running/Lohtering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection			
System Compatibility	ONVIF (Profile S), SDK,CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI
Audio I/O	N/A	1/0 , Mic in	N/A	1/0 , Mic in	1/1	1/1, built-in Mic	1/1	1/1, built-in Mic
Alarm I/O	N/A	N/A	N/A	N/A	2/1	2/1	1/0	2/2
MicroSD Card	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	Micro SD card slot up to 128G	Micro SD card slot up to 128G	Micro SD card slot up to 128G	MicroSD Card Slot ,Up to 128GB	Micro SD card slot up to 128G	Micro SD card slot up to 128G
USB	N/A	N/A	N/A	N/A	1-ch	N/A	N/A	N/A
Power Supply	DC12V±25%,PoE (802.3af)	DC12V±25%,PoE (802.3af)	DC12V±25%,PoE (802.3af)	DC12V±25%,PoE (802.3af)	DC12V±25% , PoE	DC 12V±10% , PoE	DC12V±25%,PoE (802.3af)	DC12V±25%,PoE (802.3af)
Circuit Protection	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)			
IP Protection	IP67	IP66, IK10	IP67	IP66,IK10	IP67	IP66, IK10	IP67	IP66, IK10
IR Range	15-25m	10-20m	15-25m	10-20m	30-50m	20-30m	15m~25m	10m~20m
IR LEDs	2pcs Array	8pcs Array	2pcs Array	8pcs Array	54pcs φ5 IR LEDs	32pcs φ5 IR LEDs	2pcs Array	8pcs Array
Working Temperature	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON), 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -20°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -20°C ~ 40°C(IR ON) 0 ~ 95% RHG

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PRO SERIES

ULTRA SERIES

Model	TC-NC23MS	TC-NC24MS	TC-NC23M	TC-NC24M	TC-NC1261	TC-NC2AS	TC-NC27VX	TC-NC23MX
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.7* CMOS	1/1.8" 12MP CMOS	1/2.8" CMOS	1/1.9" CMOS	1/1.9" CMOS
Min. Illumination	Color: 0.002Lux(F1.2,AGC ON) B/W: 0.001Lux(F1.2,AGC ON)	Color: 0.002Lux @(F1.6, ICR OFF) B/W: 0.001 Lux @(F1.6, ICR ON)	Color: 0.05Lux(F1.2,AGC ON)	Color: 0.05Lux(F1.2,AGC ON) B/W: 0.01Lux(F1.2,AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON) B/W: 0.005Lux @(F1.2, AGC ON)	Color: 0.002Lux @(F1.6, ICR OFF) B/W: 0.001 Lux @(F1.6, ICR ON)	Color: 0.0008 Lux @(F1.2, AGC ON) B/W: 0.0001Lux @(F1.2, AGC ON)	Color: 0.0008 Lux @(F1.2, AGC ON) B/W: 0.0001Lux @(F1.2, AGC ON)
Lens	Motorized 2.8-12mm	Motorized 2.8-12mm	B/W: 0.01Lux(F1.2,AGC ON) Motorized 2.8-12mm	B/W: 0.01LUX(F1.2,AGC ON) Motorized 2.8-12mm	2mm,F2.8, horizontal field of view: 180°(wall mount) 360°(ceiling mount),360°(table mount)	5.2mm ~ 98mm	N/A	3.6-10mm
Day& Night	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch	Dual ICR	IR Cut Filter with Auto Switch	IR Cut Filter with Auto Switch
WDR	140 dB	140 dB	100 dB	100 dB	100 dB	140 dB	140 dB	140 dB
Focus	Auto	Auto	Auto	Auto	Auto	Auto	N/A	Auto
Video Compression	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG	S+265/H.265/H.264/MJPEG
Max. Image Resolution	1920X1080	1920X1080	1920x1080	1920x1080	4000 × 3072	1920x1080	1920x1080	1920x1080
Frame Rate	1920X1080@30fps	1920x1080@30fps	1920x1080@30fps	1920x1080@30fps	4000 × 3072@20fps	1920x1080@30fps	1920x1080@60fps	1920x1080@60fps
HLC	Y	Y	Υ	Y	Y	Υ	Y	Y
Smart Defog	Y	Y	Υ	Y	Y	N/A	Y	Y
Corridor	Y	Y	Υ	Y	N/A	Y	Y	Y
VCA	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter//Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Early Warning Heat Map/Autotracking Abnormal Detection Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter Object Abandon/Object Lost/Running Loitering/Parking/Crowd Audio Abnormal Detection Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter Object Abandon/Object Lost/Running/Loitering Parking/Crowd/Face Detection/People Counting Audio Abnormal Detection Video Abnormal Detection/On duty Detection	Tripwire/Double Tripwire/Perimeter Object Abandon/Object Lost/Running/Loitering Parking/Crowd/Face Detection/People Counting Audio Abnormal Detection Video Abnormal Detection/On duty Detection
System Compatibility	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK,CGI	ONVIF (Profile S), SDK,CGI
Audio I/O	1/1	1/1, built-in Mic	1/1	1/1, built-in Mic	1/1	1/1	1/1	1/1
Alarm I/O	2/1	2/1	1/0	2/2	2/1	3/2	2/1	2/1
MicroSD Card	MicroSD Card Slot ,Up to 128GB	Micro SD card slot up to 128G	Micro SD card slot up to 128G	MicroSD Card Slot ,Up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB
USB	1-ch	N/A	1-ch	N/A	1-ch	1-ch	1-ch	1-ch
Power Supply	DC12V±25%,PoE (802.3af)	DC12V±25%,PoE (802.3af)	DC12V±25% , PoE	DC 12V±25% , PoE	DC 12V±10% , PoE	AC24V±15%	DC 12V±10%/AC24V±10%/PoE	DC12 V ± 10%, PoE (802.3af)
Circuit Protection	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)	TVS 6000V, Lightning Surge 4000V Protection	TVS 6000V, Lightning Surge 4000V Protection	TVS 6000V, Lightning/Surge 2000V	TVS 6000V, Lightning Surge Protection: (Power 2000V, RJ45 1000V)
IP Protection	IP67	IP66, IK10	IP67	IP66, IK10	IP67	IP66	IP65	IP67
IR Range	30m~50m	20m~30m	30-50m	20-30m	15m	80-100m	N/A	20m~50m
IR LEDs	54pcs φ5 Array IR LEDs	32pcs φ5 Array IR LEDs	54pcs φ5 IR LEDs	32pcs φ5 IR LEDs	2pcs Array IR LEDs	4pcs Array IR LEDs	N/A	54pcs φ5 Array IR LEDs
Working Temperature	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG	-30°C ~ 60°C(IR OFF) -30°C ~ 40°C(IR ON) 0 ~ 95% RHG	-30°C ~ 60°C(IR OFF) -30°C ~ 40°C(IR ON) 0 ~ 95% RHG	-35°C ~ 60°C, 0 ~ 95% RHG	-40°C ~ 70°C, 0 ~ 95% RHG	-35°C ~ 65°C, 0 ~ 95% RHG	-35°C ~ 60°C(IR OFF) -35°C ~ 40°C(IR ON) 0 ~ 95% RHG

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SMART IP SOLUTION 17

PTZ

Model	TC-NH3204IE	TC-NH6220IE-C	TC-NH6220IE-CP	тс-NH6233I	TC-NH6244ISA-G	
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.9" CMOS	1/1.9"
	Color: 0.002Lux @(F1.6, ICR off)	Color:0.002Lux @	Color: 0.002 Lux @(F1.5,AGC ON)	Color:0.002Lux @ (F1.6,ICR OFF)	Color: 0.0004 Lux @(F1.6,AGC ON)	Color:0
Minimum Illumination	B/W:0.001Lux @ (F1.6,ICR ON)	(F1.6,50 IRE,ICR OFF) B/W:0.001Lux @ (F1.6,50 IRE , ICR ON)	B/W:0.001Lux @(F1.5,AGC ON)	B/W:0.001Lux @ (F1.6,ICR ON)	B/W:0.0002Lux @(F1.6,AGC ON)	BW:0
WDR	140dB	140dB	140dB	140dB	140dB	
Smart Defog	Y	Y	Y	Y	Υ	
Digital Zoom	16x	16x	16x	16x	16x	
Optical Zoom	4x	20x	20x	33x	44x	
Zoom Speed	Approx.5s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Prox.5s(Optical Wide-Tele)	Pro
Tilt Range	-2°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	
Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	16, u
Number of Preset	500	500	500	500	500	
IR Irradiation Distance	30-50m	80-100m	80-100m	150-200m	350-400m	
Audio I/O	1/1	1/1	1/1	1/1	1/1 ,Bulit-in speaker	
Alarm I/O	1/1	1/1	1/1	1/1	8/2	
Max.Image Resolution	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@60fps	
Image Compression	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	5
System Compatibility	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ON
Autotracking Early Warning(AEW)	EW	N/A	N/A	N/A	AEW	
VCA	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Perimeter	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object LostyRunning/Loitering/Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Face Detection/People Counting/On duty Detection/Auto tracking	Tripwire/Double Tri Lost/Running/Loite Abnormal Detec Detection/People Co
Intelligent Alarm	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm/Network Disable Alarm, IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm, IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm/IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, P Port Alarm,Network Disable Alarm/IP Conflict, MAC Conflict Detection	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm, IP Conflict, MAC Conflict Detection	Harsh Voice Alarm Alarm,Network D
Working Temperature	-10°C-50°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40'



TC-NH91644ISA

Super Starlight

TC-NH9844ISA

Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/1.9" CMOS	1/1.9" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS
Minimum Illumination	Color: 0.002Lux @(F1.6, ICR off)	Color:0.002Lux @ (F1.6,50 IRE,ICR OFF)	Color: 0.002 Lux @(F1.5,AGC ON)	Color:0.002Lux @ (F1.6,ICR OFF)	Color: 0.0004 Lux @(F1.6,AGC ON)	Color:0.0004 Lux @(F2.2,AGC ON)	Color:0.0004 Lux @(F2.2,AGC ON)
	B/W:0.001Lux @ (F1.6,ICR ON)	B/W:0.001Lux @ (F1.6,50 IRE, ICR ON)	B/W:0.001Lux @(F1.5,AGC ON)	B/W:0.001Lux @ (F1.6,ICR ON)	B/W:0.0002Lux @(F1.6,AGC ON)	BW:0.0002Lux @(F2.2,AGC ON)	BW:0.0002Lux @(F2.2,AGC ON)
WDR	140dB	140dB	140dB	140dB	140dB	140dB	140dB
Smart Defog	Y	Υ	Y	Y	Y	Y	Y
Digital Zoom	16x	16x	16x	16x	16x	16x	16x
Optical Zoom	4x	20x	20x	33x	44x	44x	44x
Zoom Speed	Approx.5s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Approx.4s(Optical Wide-Tele)	Prox.5s(Optical Wide-Tele)	Prox.7s(Optical Wide-Tele)	Prox.7s(Optical Wide-Tele)
Tilt Range	-2°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)	-16°-90° (Auto Flip)
Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	8, up to 32 Presets per Cruise	16, up to 32 Presets per Cruise	16, up to 32 Presets per Cruise
Number of Preset	500	500	500	500	500	500	500
IR Irradiation Distance	30-50m	80-100m	80-100m	150-200m	350-400m	Laser 500-800m	Laser 500-800m
Audio I/O	1/1	1/1	1/1	1/1	1/1 ,Bulit-in speaker	1/1 ,Bulit-in speaker	1/1 ,Bulit-in speaker
Alarm I/O	1/1	1/1	1/1	1/1	8/2	8/2	8/2
Max.Image Resolution	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@30fps	1920×1080@60fps	1920 × 1080@60fps 4096 × 1800@30fps	1920 × 1080@60fps 4096 × 1800@30fps × 2
Image Compression	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG	S+265/H.264/MJPEG
System Compatibility	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI	ONVIF (Profile S), SDK, CGI
Autotracking Early Warning(AEW)	EW	N/A	N/A	N/A	AEW	AEW	AEW
VCA	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Perimeter	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/ Audio Abnormal Detection/Video Abnormal Detection	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Face Detection/People Counting/On duty Detection/Auto tracking	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Piace Detection/People Counting/On duty Detection/Auto tracking Panoramic Tracking	Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Face Detection/People Counting/On duty Detection/Auto tracking Panoramic Tracking
Intelligent Alarm	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm/Network Disable Alarm, IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm, IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm/IP Conflict, MAC Conflict Detection	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm/IP Conflict, MAC Conflict Detection	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm, IP Conflict, MAC Conflict Detection	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm, IP Conflict, MAC Conflict Detection	Harsh Voice Alarm, Motion Ddetection, Mask Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection
Working Temperature	-10°C-50°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	-40°C-70°C, 0~95% RHG	~40°C-70°C, 0~95% RHG	-40°C-70°C ; Humidity < 90%	-40°C-70°C ; Humidity < 90%
Power Supply	DC12V/POE/AC24V	DC12V, POE	DC12V, POE+	AC24V 3A	AC24V 3A	AC24V ,65W max	AC24V ,65W max
Circuit Protection	TVS 6000V, Lightning/ Surge 4000V Protection	TVS 6000V, Lightning/ Surge 4000V Protection	TVS 6000V, Lightning/ Surge 4000V Protection	TVS 6000V, Lightning Surge 4000V Protection	TVS 6000V, Lightning Surge 4000V Protection	TVS 6000V, Lightning Surge 4000V Protection	TVS 6000V, Lightning Surge 4000V Protection
IP Protection	IP65	IP66	IP67	IP67	IP67	IP66	IP66
Memory Slot	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB	MicroSD Card Slot, up to 128GB

NETWORK VIDEO RECORDERS

	POE	POE	POE				
Model	a marine a serie de la come	· · · · · · ·	a management	· · · · · · · · · · · ·	Que O		Ú. 0
	TC-NR5005M7-P1	TC-NR5010M7-P2	TC-NR5020M7-P2	TC-NR5005M7-S1	TC-NR5010M7-S1	TC-NR5020M7-S1	TC-NR5010M7-S2
Video Input	5-ch	10-ch	20-ch	5-ch	10-ch	20-ch	10-ch
Audio I/O	1/1	1/0	N/A	N/A	N/A	N/A	1/1
Video Compression	S+265/H.264	S+265/H.264	S+265/H.264	S+265/H.264	S+265/H.264	S+265/H.264	S+265/H.264
Max. Input/Record	40Mbps/40Mbps	80Mbps/80Mbps	80Mbps/80Mbps	40Mbps/40Mbps	40Mbps/40Mbps	60Mbps/60Mbps	400Mbps/200Mbps
Network Interface	1X RJ-45 10/100Mbps	1X RJ-45 10/100Mbps	1X RJ-45 10/100Mbps	1X RJ-45 10/100Mbps	1X RJ-45 10/100/1000Mbps	1X RJ-45 10/100/1000Mbps	1X RJ-45 10/100/1000Mbps
Recording Resolution	Up to 5MP	Up to 5MP	Up to 4K	Up to 5MP	Up to 5MP	Up to 4K	Up to 4K
Synchronous Playback	1-ch 5MP/4-ch 1080P/720P	1-ch 5MP/4-ch 1080P/720P	1-ch 4K/4-ch 1080P/720P	1-ch 5MP/4-ch 1080P/720P	1-ch 5MP/16-ch 1080P/720P/4CIF	1-ch 4K/16-ch 1080P/720P/4CIF	1-ch 4K/16-ch 1080P/720P/4CIF
SATA(Max)	8TB	8TB	8TB	8TB	8TB	8TB	8TB
eSATA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HDD(Max)	1HDD	1HDD	1HDD	1HDD	1HDD	1HDD	2HDD
RAID	N/A	N/A	N/A	N/A	N/A	N/A	N/A
POE	4 Ports	8 Ports	16 Ports	N/A	N/A	N/A	N/A
Alarm I/O	0/1	0/1	0/1	0/1	0/1	0/1	0/1
Corridor Mode	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras
VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA
Power Supply	DC48V, \leq 20W (without HDD)	100-240V AC, ≤25W (without HDD)	100-240V AC, \leq 25W (without HDD)	DC12V/2A, \leq 10W (without HDD)	DC12V/2A, ≤10W (without HDD)	DC12V/2A, ≤10W (without HDD)	DC12V/2A, ≤10W (without HDD)
Working Temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F) 10 % ~ 90 %RHG	, -10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG	-10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG	-10 °C \sim +55 °C (+14 °F \sim + 131 °F), 10 % \sim 90 %RHG	-10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	-10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG
Chassis	10	10	10	10	10	10	10

NETWORK VIDEO RECORDERS

Model	TC-NR5020M7-52	TC-NR5020M7-S4	TC-NR5040M7-54	TC-NR5040M7-S8	TC-NR5080M7-S8	TC-NR5080M7-E16	TC-NR5160M7-E24-C	TC-NR5320M7-E24
Video Input	20-ch	20-ch	40-ch	40-ch	80-ch	80-ch	160-ch	320-ch
Audio I/O	1/1	1/1	1/1	1/1	1/2	1/2	1/1	1/1
Video Compression	S+265/H.264	S+265/H.264	S+265/H.264	S+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
Max. Input/Record	80Mbps/80Mbps	200Mbps/200Mbps	300Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps	400Mbps/200Mbps	800Mbps/600Mbps
Network Interface	1X RJ-45 10/100/1000Mbps	1X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps	2X RJ-45 10/100/1000Mbps
Recording Resolution	Up to 4K	Up to 4K	Up to 4K	Up to 4K	Up to 4K	Up to 4K	Up to 4K	Up to 4K
Synchronous Playback	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	4-ch 4K/16-ch 1080P/720P/4CIF	5-ch 4K/16-ch 1080P/720P/4CIF
SATA(MAX)	8TB	8TB	8TB	8TB	8TB	8TB	8TB	8TB
eSATA	N/A	N/A	Y, Only for Backup	Y, Only for Backup	Y, Only for Backup	Y, Only for Backup	Y, Only for Backup	Y, Only for Backup
HDD(MAX)	2HDD	4HDD	4HDD	8HDD	8HDD	16HDD	24HDD	24HDD
RAID	N/A	N/A	N/A	Support JBOD, RAID1/5/10	Support JBOD, RAID0/1/5/10	Support JBOD, RAID0/1/5/10	Support JBOD, RAID0/1/5/6/10	Support JBOD, RAID0/1/5/6/10
POE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Alarm I/O	16/4	16/4	16/4	16/4	16/4	16/4	8/4	44/22
Corridor Mode	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras	Y, 16:9 to 9:16, Only for Tiandy Cameras
VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA	Support Tiandy Camera VCA
Power Supply	DC12V/5A, ≤35W (without HDD)	DC12V/5A, ≤35W (without HDD)	DC12V/5A, \leq 40W (without HDD)	DC12V/5A, ≤40W (without HDD)	100~240V AC, 6.3A 50~60Hz≤80W (without HDD)	100 ~ 240V AC, 6.3A, 50 ~ 60Hz ≤80W (without HDD)	100 ~ 240V AC, 6.3A, 50 ~ 60Hz ≤80W (without HDD)	100 ~ 240V AC, 6.3A, 50 ~ 60Hz ≤80W (without HDD)
Working Temperature	-10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG	-10 °C ~ +55 °C (+14 °F~ + 131 °F), 10 % ~ 90 %RHG	-10°C~+55°C(+14°F~+131°F)	-10°C~+55°C(+14°F~+131°F)	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	-10 °C ~ +55 °C (+14 °F~ + 131 °F)	-10 °C ~ +55 °C (+14 °F~ + 131 °F)
Chassis	10	1.5U	1.5U	2U	2U	3U	4U	4U