

# TC-NH9806S6-2MP IR-CW-A

2MP 30x IR PTZ

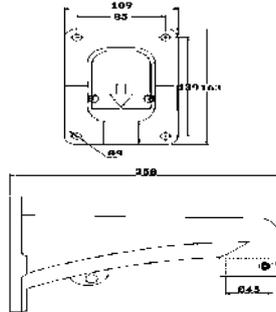
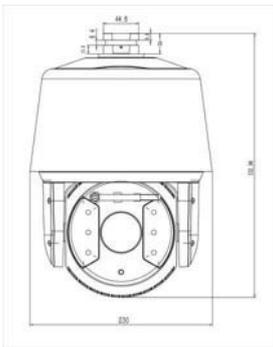
# Tiandy



## Key Features

- Up to 1920X1080 High Resolution
- Smart IR, IR Range: 150m~180m
- Speed Max 400°/s, -11~90° Tilt Angle
- Optical Zoom: 30x, Digital Zoom: 16x
- NIR, WDR, 3D DNR, HLC, Dual-ICR, AWB, AGC, BLC
- Triple Streams
- On-board Storage, MicroSD Card Slot, up to 128GB
- Auto-tracking, Facial Detection, Tripwire Detection, Perimeter Detection
- Smart Defog
- TVS 6000V, Lightning/Surge 4000V Protection
- Temperature: -40°C-70°C, IP66
- CE, FCC, RoHS

## Dimensions



## Bracket



Model: TC-DF20



Model: TC-DF21

<b>Camera</b>	
Image Sensor	1/2.8" Sony Progressive Scan CMOS
Effective Pixels	1280(H)x1080(V)
Signal System	PAL/NTSC
Minimum Illumination	Color: 0.05Lux @(F1.6, 50 IRE, ICR off) B/W: 0.01Lux @(F1.6, 50 IRE, ICR on) 0 lux with IR
White Balance	Auto/ ATW/ Manual
AGC	Auto/Manual
S/N Ratio	≥ 55dB
BLC	Y
HLC	Y
Smart Defog	Y
WDR	100dB
Digital Noise Reduction	3D DNR
Exposure Mode	Auto/ Manual
Shutter Time	1/25-1/10000S
Day&Night	IR cut filter with auto switch
Digital Zoom	16x
Privacy Masking	24 Privacy Mask Programmable; Optional Multiple Colors
Auto Focus	Auto/ Semi-automatic/ Manual
OSD	16x 16, 32x 32, 24x 24, 48x 48, 64x 64 Character Size Time/Date/Week/Character Superposition in 5 Regions PTZ Angle Superposition
<b>Lens</b>	
Focal Length	4.3-129mm, 30x
Zoom Speed	Approx.5s(Optical Wide-Tele)
Angle of View	65.1°(w) ~2.34°(t)
Minimum Working Distance	0.01m ~ 1.2m
Aperture Range	F1.6 ~ F5.0
<b>Pan &amp; Tilt</b>	
Pan Range	360° Endless
Pan Speed	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 400°/s stepless
Max Preset Speed	±0.05°
Tilt Range	-11°-90° (Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 240°/s
Proportional Zoom	Rotation Speed Can Be Adjusted Automatically According to Zoom Multiples
3D Position	Y
Number of Preset	256
Scan	8
Cruise	8, up to 32 Presets per Cruise
Pattern	8, Each One With 180s Memory or 300 Orders
Power loss recovery	Y
Guard Action	Preset/ Cruise/ Pattern/ Scan
PTZ Position Display	Y
Freeze Frame	Y
RS-485 Protocols	PTZ_PELCO_D, PTZ_PELCO_P, PTZ_TC615_P, DOME_PELCO_D, DOME_PELCO_P, DOME_PLUS
<b>Infrared</b>	
IR Irradiation Distance	150m~180m
IR Irradiation Angle	Adjustable by Zoom
<b>Interface</b>	
Audio Input	1-ch Mic in(Line in Interface)
Audio Output	Line Input: 2-2.4V(p-p); Output Impedance 1KΩ, ±10%
Ethernet	1-ch Line Level
Alarm Input	1-ch RJ45 10M / 100M
Alarm Output	8-ch
On-board Storage	MicroSD Card Slot, up to 128 GB
BNC	1.0Vp-p / 75Ω, NTSC (or PAL) Composite
RS-485	1-ch
Extension	N/A
<b>Network</b>	
Ethernet	10Base-T/100Base-TX RJ45 Connector
Max. Image Resolution	1920x1080
Main Stream	50Hz: 25fps(1920x1080), 25fps(1280x960), 25fps(1280x720) 60Hz: 30fps(1920x1080), 30fps(1280x960), 30fps(1280x720)
Sub Stream	50Hz: 25fps(704x576), 25fps(352x288), 25fps(176x144) 60Hz: 30fps(704x480), 30fps(352x240), 30fps(176x120)
Third Stream	50Hz: 25fps(352x288), 25fps(176x144) 60Hz: 30fps(352x240), 30fps(176x120)
Image Compression	H.264/MJPEG, H.264 Encoding with Baseline/Main/High Profile
ROI Encoding	Support 4 Areas with Adjustable Levels
Audio Compression	G711A/G711U/ADPCM/AAC
Protocols	IPv4/IPv6/ HTTP/ HTTPS/ 802.1x/ Qos/ FTP/ SMTP/ UPnP/ SNMP/ DNS/ DDNS/ NTP/ RTSP/ RTP/ TCP/ UDP/ IGMP/ ICMP/ DHCP/ PPPoE
Remote Connection	2 Users Access at the Same Time
User Permission	Up to 32 Users, 4 Levels
Security Measures	User Authentication (ID and PW), Host Authentication (MAC Address) IP Address Filtering
Web Browser	IE8, IE9, IE10, IE11, Chrome30, Firefox24
System Compatibility	ONVIF (Profile S), SDK, CGI
<b>Advance</b>	
Video Analysis	Tripwire, Perimeter, Counting, Loitering/Crowd/Parking Detection, Missing/Foreign Object, Face Detection
Smart-tracking	Manual/ Panorama/Tripwire/ Perimeter trigger
Trigger Alarm	Motion Ddetection, Maskj Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection
<b>General</b>	
Language	English, Spanish, Korean, Italian, Turkish, Thai, Russian, Traditional Chinese.
Operating Conditions	-40°C-70°C, 0 ~ 95% RHG
Power Supply	AC24V 3A
Power Consumption	19.2W(IR OFF)/ 44.8W(IR ON)
Circuit Protection	TVS 6000V, Lightning/ Surge 4000V Protection
Impact Protection	IP66
Wiper	Y
Dimensions	230mmx230mmx333mm
Weight	5.2 KG (IP PTZ Only), 8.5 KG (with Packing Box)

\* The latest product information / specification can be found at <http://en.tiandy.com/>



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