

# TC-NH9906S6-3MP IR-CW-I

H. 265 3MP 33x Super WDR IR PTZ

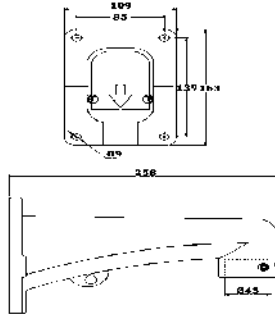
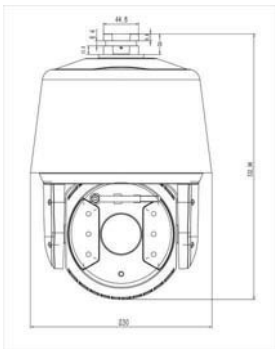
# Tiandy



## Key Features

- H.265 Codec
- Up to 2048x1536 High Resolution
- Smart IR, IR Range: 150m~180m
- Speed Max 400°/s, -11~90° Tilt Angle
- Optical Zoom: 33x, Digital Zoom: 16x
- NIR, WDR, 3D DNR, HLC, Dual-ICR, AWB, AGC, BLC
- Triple Streams
- On-board Storage, MicroSD Card Slot, up to 128GB
- 9 Kinds of Smart IVA
- Support Face Detection
- Smart Freeze Frame
- 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" 3.2MP Sony Exmor CMOS
Effective Pixels	2048x1536
Signal System	PAL/NTSC
Minimum Illumination	Color: 0.05Lux @(F1.6, 50IRE, ICR off) B/W: 0.01Lux @(F1.6, 50IRE, 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	1200B
Digital Noise Reduction	3D DNR
Exposure Mode	Auto/ Manual/ Iris First/ Shutter First
Shutter Time	1/1 ~ 1/30000s
Day& Night	IR cut filter with auto switch
Digital Zoom	16x
Dynamic Privacy Masking	24Privacy Mask Programmable; Optional Multiple Colors
Auto Focus	Auto/ Semi-automatic/ Manual
OSD	16x16, 32x32, 24x24, 48x48, 64x64 Character Size Time/Date/Week/Character Superposition in 5 Regions PTZ Angle Superposition
<b>Lens</b>	
Focal Length	4.6-152mm, 33x
Optical Zoom Speed	Approx.5s(Optical Wide-Tele)
Angle of View	62.1°(w) ~2.18°(t)
Minimum Working Distance	1-1.5m(Wide-Tele)
Aperture Range	F1.6-F4.8
<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	500
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) Line Input 2-2.4V(p-p); Output Impedance 1KΩ, ±10%
Audio Output	1-ch Line Level
Ethernet	1-ch RJ45 10M, 100M
Alarm Input	8-ch
Alarm Output	2-ch
On-board Storage	Micro SD Card Slot, up to 128GB
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	2048x1536
<b>Main Stream</b>	
	2048x1536@25/30fps; 1920x1080@25/30fps; 1920x1080@50/60fps; 1280x960@25/30fps; 1280x960@50/60fps; 1280x720@25/30fps; 1280x720@50/60fps; 704x576@25/30fps; 704x576@50/60fps
<b>Sub Stream</b>	
	704x576@25fps/704x480@30fps; 352x288@25fps/352x240@30fps; 176x144@25fps/176x120@30fps
<b>Third Stream</b>	
	1280x720@25/30fps; 704x576@25fps/704x480@30fps; 352x288@25fps/352x240@30fps; 176x144@25fps/176x120@30fps
Image Compression	H.265/H.264 High Profile/MIPEG
ROI Encoding	8 Areas with Adjustable Levels
Audio Compression	G.711/G.722/G.726/AAC/ADPCM
<b>Protocols</b>	
	IPV4/IPV6, HTTP, HTTPS, 802.1x, QoS, FTP, SFTP, UPnP, S/NMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Remote Connection	10 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>	
IVA	Trippwire, Perimeter, Loitering/Crowd/Parking Detection, Missing/Foreign Object, Video Cover/Face Detection
Intelligent Alarm	Audio Abnormal Detection, Motion Ddetection, Cover Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection
<b>General</b>	
Language	English, Spanish, Korean, Italian, Turkish, Thai, Russian, Simple Chinese, Traditional Chinese
Operating Conditions	-40°C-70°C, 0 ~95% RHG
Power Supply	AC24V 3A
Power Consumption	17.2W (IR OFF); 19.2W (IR ON)
Circuit Protection	TVS 6000V, Lightning/Surge 4000V Protection
Impact Protection	IP66
Wiper	Y
Dimensions	230mmx332mmx230mm
Weight	5.2KG (IP PTZ Only), 8.5 KG (with Packing Box)

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



Tiandy Digital Technology Co., Ltd. | [en.tiandy.com](http://en.tiandy.com)

Add: No.8, Huake Rd2, Binhai Hi-Tech Industry(Huayuan), Tianjin 300384 China

Tel: +86-22-58596037 Email: [sales@tiandy.com](mailto:sales@tiandy.com)

