

# TC-NH6220IE-CP

H.265 2MP 20x Starlight POE IR PTZ

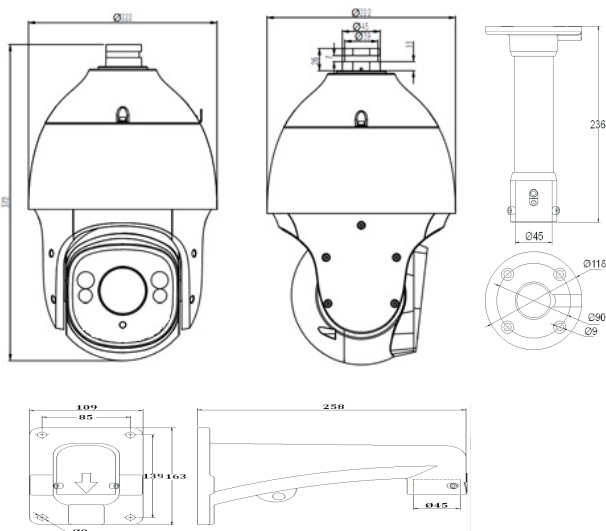
# Tiandy



## Features

- Starlight Ultra Low Light 0.002lux
- S+265 Compression
- Up to 1920x1080@30fps
- Mechanical WDR 140dB
- Smart IR, IR Range: 100m
- Optical Zoom: 20x, Digital Zoom: 16x
- Speed Max 400°/s, -16~90° Tilt Angle
- NIR, WDR, 3D DNR, HLC, Dual-ICR, AWB, AGC, BLC
- VCA Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/Audio Abnormal Detection/Video Abnormal Detection
- Interface Built-in Mic, Audio I/O 1/1, Alarm I/O 1/1, MicroSD Card Slot, up to 128GB, Reset Button
- TVS 6000V, Lightning/Surge 4000V Protection, IP67
- Operating Conditions -40°C~70°C, 0~95% RHG
- CE, FCC

## Dimensions



## Dimensions(Optional)

Model: DF20

DF21



## Camera

<b>Image Sensor</b>	1/2.8" CMOS
<b>Effective Pixels</b>	1920(H)x1080(V)
<b>Signal System</b>	PAL/NTSC
<b>Minimum Illumination</b>	Color: 0.002 Lux@(F1.5,AGC ON) B/W:0.001Lux@(F1.5,AGC ON)
<b>White Balance</b>	Auto/ ATW/ Manual
<b>AGC</b>	Auto/ Manual
<b>S/N Ratio</b>	≥ 55dB
<b>BLC</b>	Y
<b>HLC</b>	Y
<b>Smart Defog</b>	Y
<b>WDR</b>	140dB
<b>DNR</b>	3D
<b>Exposure Mode</b>	Auto/ Manual/ Iris First/ Shutter First
<b>Shutter Time</b>	1s-1/10000s
<b>Day&amp; Night</b>	Dual-ICR
<b>Optical Zoom</b>	20x
<b>Digital Zoom</b>	16x
<b>Privacy Masking</b>	24 Dynamic Privacy Masks Programmable; Optional Multiple Colors
<b>Picture Overlay</b>	200 × 200, BMP 24bit, Zone Configurable
<b>OSD</b>	Size:16×16, 32×32, 24×24, 48×48, 64×64, 96×96 Letters, Week, Date, Time, Total 5 Regions

## Lens

<b>Focal Length</b>	5.2mm ~ 104mm
<b>Zoom Speed</b>	Approx.<4s(Optical Wide-Tele)
<b>Angle of View</b>	55.8°(w)~3.2°(t)
<b>Min. Working Distance</b>	1-1.5m(Wide-Tele)
<b>Aperture Range</b>	F1.5-F3.0

## Pan & Tilt

<b>Pan Range</b>	360° Endless
<b>Pan Speed</b>	Pan Manual Speed: 0.1° -400°/s Pan Preset Speed: 240°/s
<b>Preset Accuracy</b>	±0.2°
<b>Tilt Range</b>	-16°-90° (Auto Flip)
<b>Tilt Speed</b>	Tilt Manual Speed: 0.1°-400°/s Tilt Preset Speed: 240°/s
<b>Proportional Zoom</b>	Rotation Speed Can Be Adjusted Automatically According to Zoom
<b>3D Position</b>	Y
<b>Number of Preset</b>	500
<b>Scan</b>	8
<b>Cruise</b>	8, up to 32 Presets per Cruise
<b>Pattern</b>	8, Each One With 600s Memory or 300 Orders
<b>Power Loss Recovery</b>	Y
<b>Guard Action</b>	Preset/ Cruise/ Pattern/ Scan
<b>PTZ Position Display</b>	Y
<b>Freeze Frame</b>	Y

## Infrared

<b>IR Distance</b>	100m
<b>IR Angle</b>	Adjustable by Zoom

## Interface

<b>Audio Input</b>	1-ch Mic in(Line in Interface)
<b>Audio Output</b>	1-ch Line level, Impedance: 600Ω
<b>Ethernet</b>	1-ch RJ45 10W 100M
<b>Alarm Input</b>	1-ch
<b>Alarm Output</b>	1-ch
<b>On-board Storage</b>	MicroSD Card Slot,up to 128GB
<b>BNC Output &amp; RS485</b>	N/A
<b>Extension</b>	N/A

## Network

<b>Max.Image Resolution</b>	1920×1080
<b>Main Stream</b>	1920×1080@25/30fps; 1280×960@25/30fps;
<b>Sub Stream</b>	704×576@25fps/704×480@30fps
<b>Third Stream</b>	352×288@25fps/352×240@30fps
<b>Image Compression</b>	S+265/H.265/H.264H/H.264MH.264B/MJPEG
<b>ROI Encoding</b>	8 Dynamic Areas for Both Main and Sub Stream
<b>Audio Compression</b>	G711A/G711U/ADPCM/AAC
<b>Protocols</b>	IPV4/IPV6/HTTP/802.1x/FTP/SMTP/UPnP/SNMP DNS/DDNS/NTP/RTSP/TCP/UDP/DHCP/PPPoE
<b>Remote Connection</b>	5 Users Access at the Same Time
<b>User/Host Level</b>	Up to 32 Users, 4 Levels
<b>Web Browser</b>	IE8/Firefox24 or above
<b>System Compatibility</b>	ONVIF (Profile S), SDK, CGI

## Advance

<b>Video Analytics(VCA)</b>	Tripwire/Double Tripwire/Perimeter/Object Abandon Object Lost/Running/Loitering/Parking/Crowd Audio Abnormal Detection/Video Abnormal Detection
<b>Intelligent Alarm</b>	Motion Ddetection, Mask Alarm, Port Alarm,Network Disable Alarm IP Conflict, MAC Conflict Detection

## General

<b>Language</b>	English,Spanish,Korean,Italian,Turkish,Thai,Russian Polish,French,Traditional Chinese,Simplified Chinese
<b>Operating Conditions</b>	-40°C-70°C, 0~95% RHG
<b>Power Supply</b>	DC12V, POE+
<b>Power Consumption</b>	12.05W(IR OFF)/21.18W(IR ON)
<b>Circuit Protection</b>	TVS 6000V, Lightning/ Surge 4000V Protection
<b>Impact Protection</b>	IP67
<b>Wiper</b>	N/A
<b>IR LEDs</b>	4pcs
<b>Dimensions</b>	372mmx222mmx222mm
<b>Weight</b>	5KG (IP PTZ Only), 8.45KG (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)

