

# Tiandy



TC-H324S Spec:23X/I/E/C/V3.0

# 2MP 23× Starlight IR PTZ Camera

Pro Series



## KEY FEATURES

- Up to 1920X1080@30fps
- Optical zoom: 23×
- Smart IR, IR Range: 150m
- S+265/H.265/H.264/M-JPEG
- Intelligent monitoring
- Support Human/Vehicle Classification
- Plugin Free
- IP66



**Tiandy Technologies Co.,Ltd.**

Email: [sales@tiandy.com](mailto:sales@tiandy.com)  
Website: [en.tiandy.com](http://en.tiandy.com)

Tel: +86-22-58596065  
Fax: +86-22-58596048

# Tiandy

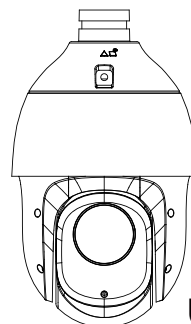
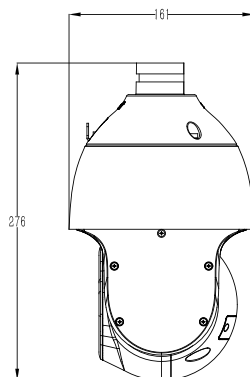
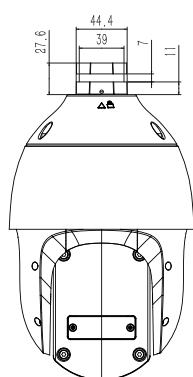
## SPECIFICATIONS

| Camera               |                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor         | 1/2.8" CMOS                                                                                                                          |
| Min. Illumination    | Color: 0.001lux@ (F1.5, AGC ON), B/W: 0lux with IR                                                                                   |
| Shutter Time         | 1s to 1/100,000s                                                                                                                     |
| Day&Night            | IR Cut Filter with Auto Switch                                                                                                       |
| WDR                  | 120dB                                                                                                                                |
| S/N                  | > 42dB                                                                                                                               |
| Lens                 |                                                                                                                                      |
| Focal Length         | 5mm~115mm                                                                                                                            |
| Optical Zoom         | 23X                                                                                                                                  |
| Digital Zoom         | N/A                                                                                                                                  |
| Zoom Speed           | < 5S                                                                                                                                 |
| Aperture Range       | F1.5~3.0                                                                                                                             |
| Field of View        | Horizontal filed of view: 55.8° (w)~3.2° (t)<br>Vertical field of view: 32.2° (w)~1.8° (t)<br>Diagonal field of view:61°(w)~3.64°(t) |
| Focus Control        | Auto,semi-auto>manual                                                                                                                |
| Iris Control         | Auto                                                                                                                                 |
| Close Focus Distance | 1000mm~1500mm                                                                                                                        |
| DORI Distance        | Detect:1351m<br>Observe:536m<br>Recognize:270m<br>Identify:135m                                                                      |
| Pan&Tilt             |                                                                                                                                      |
| Pan Range            | 360°                                                                                                                                 |
| Pan Speed            | Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s                                                                                |
| Tilt Range           | -16°~90° (Default -3°~90°)                                                                                                           |
| Tilt Speed           | Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s                                                                              |
| 3D Position          | Yes                                                                                                                                  |
| Preset               | 500                                                                                                                                  |
| Cruise               | 16, up to 32 presets per cruise                                                                                                      |
| Scan                 | 8                                                                                                                                    |
| Pattern              | 8, each with 600s memory or 1000 orders                                                                                              |
| Scheduled Task       | Preset,Cruise,Scan,Pattern                                                                                                           |
| North Point          | Yes(Manual setting)                                                                                                                  |
| Power-off Memory     | Yes                                                                                                                                  |
| Preset Freezing      | N/A                                                                                                                                  |
| Illuminator          |                                                                                                                                      |
| IR LEDs              | 7                                                                                                                                    |
| IR Distance          | Up to 150m                                                                                                                           |
| Wavelength           | 850nm                                                                                                                                |
| IR Irradiation Angle | Adjustable by Zoom                                                                                                                   |
| White LEDs           | N/A                                                                                                                                  |
| Whitelight Distance  | N/A                                                                                                                                  |
| Laser                | N/A                                                                                                                                  |
| Laser Distance       | N/A                                                                                                                                  |
| Compression Standard |                                                                                                                                      |
| Video Compression    | S+265/H.265/H.264/M-JPEG                                                                                                             |
| Video Bit Rate       | 32Kbps~16Mbps                                                                                                                        |
| Audio Compression    | N/A                                                                                                                                  |
| Audio Sampling Rate  | N/A                                                                                                                                  |
| Image                |                                                                                                                                      |
| Max. Resolution      | 1920x1080@30fps                                                                                                                      |
| Main Stream          | PAL:25fps(1920x1080,1280x720,640x480,704x576)<br>NTSC:30fps(1920x1080,1280x720,640x480,704x480)                                      |
| Sub Stream           | PAL:25fps(704x576,704x288,352x288,640x360)<br>NTSC:30fps(704x480,704x240,352x240,640x360)                                            |
| Third Stream         | PAL:25fps(352x288)<br>NTSC:30fps(352x240)                                                                                            |
| BLC                  | Yes                                                                                                                                  |
| HLC                  | Yes                                                                                                                                  |
| AGC                  | Yes                                                                                                                                  |



|                           |                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise Reduction           | 2D/3D                                                                                                                                                                                              |
| White Balance             | Auto/Semi-auto/Manual/Sunny/Natural light/Warm light/Sodium lamp/Incandescent lamp/<br>Locked white balance                                                                                        |
| ROI                       | 7 Dynamic Areas for Both Main and Sub Stream                                                                                                                                                       |
| EIS                       | N/A                                                                                                                                                                                                |
| OSD                       | 16x16, 24x24,32x32, 48x48, 64x64, adaptable size, Letters such as Week, Date, Time, Total 5 Regions                                                                                                |
| Defog                     | Digital                                                                                                                                                                                            |
| Flip                      | Yes                                                                                                                                                                                                |
| Regional Exposure         | Yes                                                                                                                                                                                                |
| Regional Focus            | Yes                                                                                                                                                                                                |
| Demist                    | Yes                                                                                                                                                                                                |
| Feature                   |                                                                                                                                                                                                    |
| Alarm Trigger             | Motion Detection;Mask Alarm;Voltage Alarm;Disk Full;Disk R/W Error;IP Address Conflict;<br>MAC Address Conflict;FTP Server Exception                                                               |
| Linkage Method            | send email;trigger recording;trigger capture;notify surveillance center                                                                                                                            |
| Video Analytics           | Human/Vehicle Classification;Tripwire;Double Tripwire;Perimeter;Object Abandon;Object Lost;Heatmap;<br>Video Abnormal                                                                              |
| Early Warning(EW)         | N/A                                                                                                                                                                                                |
| Auto-Tracking             | N/A                                                                                                                                                                                                |
| Face Mode                 | N/A                                                                                                                                                                                                |
| Face Caputure Performance | N/A                                                                                                                                                                                                |
| Network                   |                                                                                                                                                                                                    |
| ANR                       | Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection<br>(Only Support Tiandy ANR NVR)                                                                |
| Protocols                 | HTTP;HTTPS;TCP/IP;UDP;UPnP;SNMP;DHCP;DNS;DDNS;Easy DDNS;NTP;SMTP;SSL;802.1X;QoS;IPv4;IPv6;<br>PPPOE;SSH;Unicast;Multicast;RTP;SRTSP;RTSP;FTP;SFTP                                                  |
| System Compatibility      | ONVIF Profile S/T/G/M;CGI;Milestone;RTMP                                                                                                                                                           |
| Remote Connection         | ≤2                                                                                                                                                                                                 |
| User/Host                 | Up to 32 users. 4 user levels                                                                                                                                                                      |
| Client                    | Easy7 Smart Client                                                                                                                                                                                 |
| Moblle Client             | EasyLive Plus                                                                                                                                                                                      |
| Web                       | IE10+;Firefox52+;Edge89+;Safari11+;Chrome57+                                                                                                                                                       |
| Interface                 |                                                                                                                                                                                                    |
| Communication Interface   | 1 RJ45 10M/100M self adaptive Ethernet port                                                                                                                                                        |
| Audio I/O                 | N/A                                                                                                                                                                                                |
| Alarm I/O                 | N/A                                                                                                                                                                                                |
| Built-In Speaker          | N/A                                                                                                                                                                                                |
| Reset Button              | Yes                                                                                                                                                                                                |
| On-board storage          | Built-in Micro SD card slot, up to 512 GB                                                                                                                                                          |
| RS-485                    | N/A                                                                                                                                                                                                |
| BNC                       | N/A                                                                                                                                                                                                |
| Wiper                     | N/A                                                                                                                                                                                                |
| Electronic Compass        | N/A                                                                                                                                                                                                |
| GPS/BDS                   | N/A                                                                                                                                                                                                |
| General                   |                                                                                                                                                                                                    |
| Web Client Language       | 19 languages<br>Simple Chinese/English/Traditional Chinese/Spanish/Italian/ Korean/Turkish/Russian/Thai/<br>Polish/French/Dutch/ Hebraism/Vietnamese/Arabic/German/ Ukrainian /Portuguese/Albanian |
| Operating Temperature     | -30°C~65°C(IR OFF)<br>-30°C~40°C(IR ON)                                                                                                                                                            |
| Operating Humidity        | 0-95%                                                                                                                                                                                              |
| Storage Temperature       | -30°C~65°C                                                                                                                                                                                         |
| Storage Humidity          | 0-95%(non-condensing)                                                                                                                                                                              |
| Power Supply              | DC12V±10%/POE+(IEEE802.3 at)                                                                                                                                                                       |
| Power Consumption         | 7.3W(IR OFF), 17.6W(MAX)                                                                                                                                                                           |
| Protection                | IP66 , TVS 6000V lightning protection, surge protection and voltage transient protection                                                                                                           |
| Heater                    | N/A                                                                                                                                                                                                |
| Material                  | ADC 12, PC+ABS                                                                                                                                                                                     |
| Boundary Dimensions       | 161(D)276(H)mm                                                                                                                                                                                     |
| Package Dimensions        | 260(L)260(W)465(H)mm                                                                                                                                                                               |
| GrossWeight               | 3.7kg                                                                                                                                                                                              |
| NetWeight                 | 2.1kg                                                                                                                                                                                              |

## DIMENSIONS



Unit: mm

## INCLUDED



TC-P52BM Spec: 4  
Wall Mount

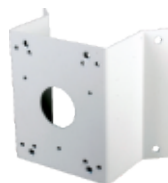
## ACCESSORIES



DF21Y  
Pendant Mount



A36  
Pole Mount



A35  
Corner Mount



811  
Junction Box

DISTRIBUTED BY



**Tiandy Technologies Co.,Ltd.**

Email: [sales@tiandy.com](mailto:sales@tiandy.com)  
Website: [en.tiandy.com](http://en.tiandy.com)

Tel: +86-22-58596178  
Fax: +86-22-58596048