

# Tiandy



TC-H356Q Spec:30X/IW/A

## 5MP 30x Starlight AEW PTZ Camera



Ultra Series

### KEY FEATURES

- Auto-Tracking Early Warning (AEW)
- Up to 2592×1944@30fps
- Min. illumination Color: 0.002Lux@F1.5
- Optical zoom: 30×, digital zoom 16×
- Built-in Speaker
- Support Human/Vehicle Classification
- Smart IR, IR Range: 150m
- S+265/H.265/H.264/M-JPEG
- IP66



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## SPECIFICATIONS

| Camera               |                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor         | 1/2.8" CMOS                                                                                                                                                                                             |
| Signal System        | PAL/NTSC                                                                                                                                                                                                |
| Min. Illumination    | Color: 0.002lux@ (F1.5, ACG ON), BW: 0lux with IR                                                                                                                                                       |
| Shutter Time         | 1s to 1/100,000s                                                                                                                                                                                        |
| Day & Night          | Dual IR Cut Filter                                                                                                                                                                                      |
| Wide Dynamic Range   | 140dB                                                                                                                                                                                                   |
| Optical Zoom         | 30×                                                                                                                                                                                                     |
| Digital Zoom         | 16×                                                                                                                                                                                                     |
| Lens                 |                                                                                                                                                                                                         |
| Focal Length         | 4.7mm~141mm                                                                                                                                                                                             |
| Zoom Speed           | <5s                                                                                                                                                                                                     |
| Angle of View        | Horizontal filed of view: 69.5° (w) ~ 2.7° (t)                                                                                                                                                          |
| Aperture Range       | F1.5~F4.0                                                                                                                                                                                               |
| Pan&Tilt             |                                                                                                                                                                                                         |
| Pan Range            | 360°                                                                                                                                                                                                    |
| Pan Speed            | Pan Manual Speed: 0.1°~180°/s, Pan Preset Speed: 240°/s                                                                                                                                                 |
| Tilt Range           | -16°~90° (Auto flip)                                                                                                                                                                                    |
| Tilt Speed           | Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 180°/s                                                                                                                                               |
| 3D Position          | Yes                                                                                                                                                                                                     |
| Presets              | 500                                                                                                                                                                                                     |
| Preset Accuracy      | ±0.4°                                                                                                                                                                                                   |
| Scan                 | 8                                                                                                                                                                                                       |
| Cruise               | 16, up to 32 presets per cruise                                                                                                                                                                         |
| Pattern              | 8, each with 600s memory or 1000 orders                                                                                                                                                                 |
| Power-off Memory     | Yes                                                                                                                                                                                                     |
| RS-485 Protocols     | DOME_PELCO_D, DOME_PELCO_P, DOME_PLUS                                                                                                                                                                   |
| Illuminator          |                                                                                                                                                                                                         |
| IR LEDs              | 8                                                                                                                                                                                                       |
| IR Range             | Up to 150m                                                                                                                                                                                              |
| IR Irradiation Angle | Adjustable by Zoom                                                                                                                                                                                      |
| White LEDs           | 2                                                                                                                                                                                                       |
| Compression Standard |                                                                                                                                                                                                         |
| Video Compression    | S+265/H.265/H.264/M-JPEG                                                                                                                                                                                |
| Video Bit Rate       | 32 Kbps to 16 Mbps                                                                                                                                                                                      |
| Audio Compression    | G.711A/G.711U/ADPCM/AAC                                                                                                                                                                                 |
| Audio Bit Rate       | 8K~48Kbps                                                                                                                                                                                               |
| Image                |                                                                                                                                                                                                         |
| Max. Resolution      | 2592×1944                                                                                                                                                                                               |
| Main Stream          | PAL: 25fps (2592×1944, 2560×1920, 2592×1520, 2560×1440, 2048×1536, 1920×1080, 1280×960, 1280×720)<br>NTSC: 30fps (2592×1944, 2560×1920, 2592×1520, 2560×1440, 2048×1536, 1920×1080, 1280×960, 1280×720) |
| Sub Stream           | PAL: 25fps (704×576, 704×288, 640×360, 352×288)<br>NTSC: 30fps (704×480, 704×240, 640×360, 352×240)                                                                                                     |
| Third Stream         | PAL: 25fps (1920×1080, 1280×960, 1280×720, 640×480, 704×576, 352×288)<br>NTSC: 30fps (1920×1080, 1280×960, 1280×720, 640×480, 704×480, 352×240)                                                         |
| Image Setting        | Saturation, brightness, contrast, sharpness, adjustable by client software or web browser                                                                                                               |
| Image Enhancement    | BLC/3D DNR/HLC                                                                                                                                                                                          |
| ROI                  | 7 Dynamic Areas for Both Main and Sub Stream, support auto-tracking ROI                                                                                                                                 |
| OSD                  | 16×16, 24×24, 32×32, 48×48, 64×64, 96×96, adaptable size, Letters Such as Week, Date, Time, Total 5 Regions                                                                                             |



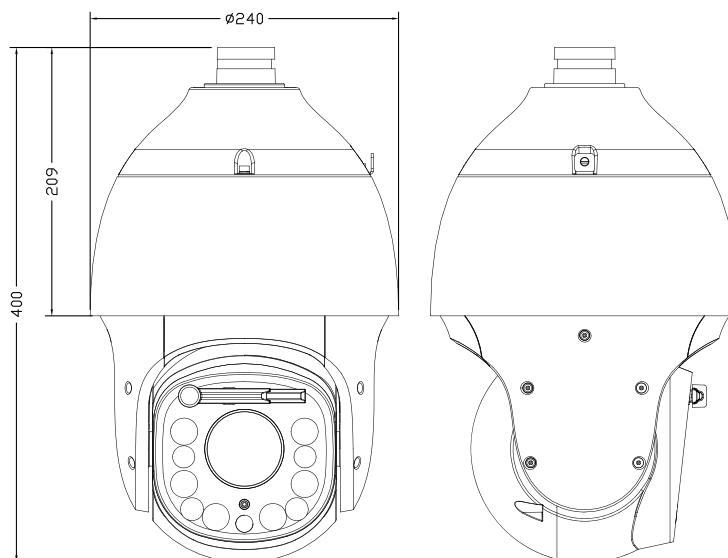
|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Picture Overlay         | Yes                                                                                                                                                                                                                           |
| Privacy Mask            | Yes                                                                                                                                                                                                                           |
| Smart Defog             | Yes                                                                                                                                                                                                                           |
| Feature                 |                                                                                                                                                                                                                               |
| Alarm Trigger           | Harsh Voice Alarm, Motion Detection, Mask Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection                                                                                                       |
| Video Analytics         | Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection |
| Early Warning(EW)       | Yes                                                                                                                                                                                                                           |
| Auto-Tracking           | Yes                                                                                                                                                                                                                           |
| Network                 |                                                                                                                                                                                                                               |
| Protocols               | TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, MULTICAST, UPnP, FTP, IPV4, NTP, RTSP, SMTP, IGMP, QoS, PPPoE                                                                                                                     |
| System Compatibility    | ONVIF (PROFILE S), SDK, CGI, P2P                                                                                                                                                                                              |
| ANR                     | Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)                                                                                              |
| Remote Connection       | ≤7                                                                                                                                                                                                                            |
| Client                  | Easy7, EasyLive                                                                                                                                                                                                               |
| Web Version             | Web5                                                                                                                                                                                                                          |
| Interface               |                                                                                                                                                                                                                               |
| Communication Interface | 1 RJ45 10M/100M self adaptive Ethernet port                                                                                                                                                                                   |
| Audio                   | 1/1                                                                                                                                                                                                                           |
| Alarm                   | 8/2                                                                                                                                                                                                                           |
| Reset Button            | Yes                                                                                                                                                                                                                           |
| On-board storage        | Built-in MicroSD card slot, up to 128 GB                                                                                                                                                                                      |
| RS-485                  | Yes                                                                                                                                                                                                                           |
| BNC                     | Yes                                                                                                                                                                                                                           |
| Wiper                   | Yes                                                                                                                                                                                                                           |
| General                 |                                                                                                                                                                                                                               |
| Firmware Version        | NVSS_V14.0.6.20190328                                                                                                                                                                                                         |
| Web Client Language     | 11 languages<br>English, Russian, Spanish, Korean, Italian, Turkish, Simple Chinese, Traditional Chinese, Thai, French, Polish                                                                                                |
| Operating Conditions    | -30°~65°C, 0-95% RH                                                                                                                                                                                                           |
| Power Supply            | AC24V±15%                                                                                                                                                                                                                     |
| Power Consumption       | 21W (IR OFF), 44W (IR ON)                                                                                                                                                                                                     |
| Protection              | IP66                                                                                                                                                                                                                          |
| Heater                  | N/A                                                                                                                                                                                                                           |
| Dimensions              | Φ222x372 mm (Φ8.74×14.65 inch)                                                                                                                                                                                                |
| Weight                  | 5.5kg (12.13lb)                                                                                                                                                                                                               |

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

## AVAILABLE MODEL

### TC-H356Q SPEC:30X/IW/A

## DIMENSIONS (Unit: mm)



## ACCESSORIES

### INCLUDED



DF20Y  
Wall Mount

### OPTIONAL



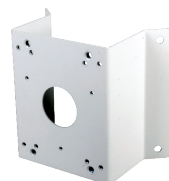
A37  
Installation Adapter



A38  
Ceiling Mount



A36  
Pole Mount



A35  
Corner Mount



DF21Y  
Pendant Mount

DISTRIBUTED BY



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