

# Tiandy

## TC-A35555 Spec: 0/A/2.8-12mm/9-54mm 5MP Video Structure AI Dual PTZ Camera

Ultra Series



### KEY FEATURES

- Dual PTZ design
- 5MP varifocal PTZ-bullet for overall scenario and 5MP speed dome for detailed view
- Resolution up to 3072×1728@20fps
- Min. illumination Color: 0.0008Lux@F1.0 (PTZ-bullet)
- Optical zoom of PTZ-bullet: 4×, digital zoom 16×
- Optical zoom of speed dome: 6×, digital zoom 16×
- Smart IR, IR Range: 100m
- Support blue&red flash warning
- Built-in dual Mic& dual Speaker
- Built-in Electronic Compass
- Support video structure analysis
- S+265/H.265/H.264/M-JPEG
- Support Human/Vehicle Classification
- Plugin Free
- IP66

CE FC RoHS

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## SPECIFICATIONS

| Camera               |                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor         | PTZ-bullet: 1/1.8" CMOS<br>Speed dome: 1/1.8" CMOS                                                                                                           |
| Signal System        | PAL/NTSC                                                                                                                                                     |
| Min. Illumination    | PTZ-bullet:<br>Color: 0.0008Lux@ (F1.36, ACG ON), BW: 0lux with IR<br>Speed Dome:<br>Color: 0.0008Lux@ (F1.35, ACG ON), BW: 0lux with IR                     |
| Shutter Time         | 1s to 1/100,000s                                                                                                                                             |
| Day & Night          | Dual IR Cut Filter with Auto Switch                                                                                                                          |
| Wide Dynamic Range   | PTZ-bullet: 120dB; Speed Dome: 140dB                                                                                                                         |
| Optical Zoom         | PTZ-bullet: 4X; Speed Dome: 6X                                                                                                                               |
| Digital Zoom         | PTZ-bullet: 16X; Speed Dome: 16X                                                                                                                             |
| Lens                 |                                                                                                                                                              |
| Focal Length         | PTZ-bullet: 2.8~12mm; Speed Dome: 9~54mm                                                                                                                     |
| Zoom Speed           | <3s                                                                                                                                                          |
| Angle of View        | PTZ-bullet:<br>Horizontal: 84.8° (w)~49° (t), vertical: 49.3° (w)~27.6° (t)<br>Speed Dome:<br>Horizontal: 42.3° (w)~32.1° (t), vertical: 24.3° (w)~18.4° (t) |
| Aperture Range       | PTZ-bullet: F1.36~F2.0; Speed Dome: F1.35~F1.55                                                                                                              |
| Pan&Tilt             |                                                                                                                                                              |
| Pan Range            | PTZ-bullet: 260° ; Speed Dome: 360°                                                                                                                          |
| Pan Speed            | PTZ-bullet:<br>Pan Manual Speed: 0.1° ~100° /s, Pan Preset Speed: 100° /s<br>Speed Dome:<br>Pan Manual Speed: 0.1° ~180° /s, Pan Preset Speed: 300° /s       |
| Tilt Range           | PTZ-bullet: 0° ~30° ; Speed Dome: -3° ~90° (Auto flip)                                                                                                       |
| Tilt Speed           | PTZ-bullet:<br>Tilt Manual Speed: 0.1° ~15° /s, Tilt Preset Speed: 15° /s<br>Speed Dome:<br>Tilt Manual Speed: 0.1° ~100° /s, Tilt Preset Speed: 150° /s     |
| 3D Position          | Yes                                                                                                                                                          |
| Presets              | PTZ-bullet: 256; Speed Dome: 500                                                                                                                             |
| Preset Accuracy      | ±0.5°                                                                                                                                                        |
| Scan                 | Speed Dome: 8                                                                                                                                                |
| Cruise               | Speed Dome: 16, up to 32 presets per cruise                                                                                                                  |
| Pattern              | Speed Dome: 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              | 6                                                                                                                                                            |
| IR Range             | Up to 100m                                                                                                                                                   |
| IR Irradiation Angle | Adjustable by Zoom                                                                                                                                           |
| White LEDs           | 4, up to 30m                                                                                                                                                 |
| Blue&Red Flash LEDs  | Yes                                                                                                                                                          |



| Compression Standard         |                                                                                                                                                                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression            | S+265/H.265/H.264/M-JPEG                                                                                                                                                                                                                      |
| Video Bit Rate               | 32Kbps~8Mbps                                                                                                                                                                                                                                  |
| Audio Compression            | G.711A/G.711U/ADPCM_D/AAC_LC                                                                                                                                                                                                                  |
| Audio Bit Rate               | 8K~48Kbps                                                                                                                                                                                                                                     |
| Image                        |                                                                                                                                                                                                                                               |
| Max. Resolution              | 5.0MP (3072×1728)                                                                                                                                                                                                                             |
| Main Stream                  | PAL: 20fps (3072×1728), 25fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 640×480, 704×576)<br>NTSC: 20fps (3072×1728), 30fps (2560×1440, 2304×1296, 1920×1080, 1280×720, 640×480, 704×480)                                                   |
| Sub Stream                   | PAL: 25fps (704×576, 704×288, 640×360, 352×288)<br>NTSC: 30fps (704×576, 704×288, 640×360, 352×288)                                                                                                                                           |
| Third Stream                 | PAL: 25fps (704×576, 704×288, 352×288)<br>NTSC: 30fps (704×576, 704×288, 352×288)                                                                                                                                                             |
| 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                                                                                                                                                                                                  |
| OSD                          | 16×16, 24×24, 32×32, 48×48, 64×64, 96×96, 128×128, adaptable size, letters such as Week, Date, Time, Total 5 Regions                                                                                                                          |
| Picture Overlay              | Yes                                                                                                                                                                                                                                           |
| Privacy Mask                 | Yes                                                                                                                                                                                                                                           |
| Smart Defog                  | Yes                                                                                                                                                                                                                                           |
| Feature                      |                                                                                                                                                                                                                                               |
| Alarm Trigger                | Event Input, Event Output, Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception                                                                                           |
| Video Analytics              | Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics(People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture |
| Video Structure Analytics    | Face metadata: age, gender, glasses, beards, masks, hat<br>Human body metadata: gender, masks, hair, bag, tops, tops color, bottoms, bottoms color<br>Vehicle metadata: type, color, brand<br>Non-vehicle metadata: type                      |
| Early Warning(EW)            | Yes                                                                                                                                                                                                                                           |
| Auto-Tracking                | Yes                                                                                                                                                                                                                                           |
| Face Detection and Analytics |                                                                                                                                                                                                                                               |
| Face Detection Performance   | Detects up to 32 faces at the same scene                                                                                                                                                                                                      |
| Face Exposure Brightness     | Default 35, 1~100 brightness optional                                                                                                                                                                                                         |
| Min. Face Pixel              | Default 60, 26~2560 optional                                                                                                                                                                                                                  |
| Network                      |                                                                                                                                                                                                                                               |
| Protocols                    | 802.1X/TCP/UDP/HTTP/MULTICAST/UPnP/DHCP/PPPoE/DDNS/NFS/FTP/NTP/RTP/RTSP/IPv4/IPv6/SNMP/SMTP/RTMP                                                                                                                                              |
| System Compatibility         | ONVIF (PROFILE S/T/G), 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                  | web6                                                                                                                                                                                                                                          |



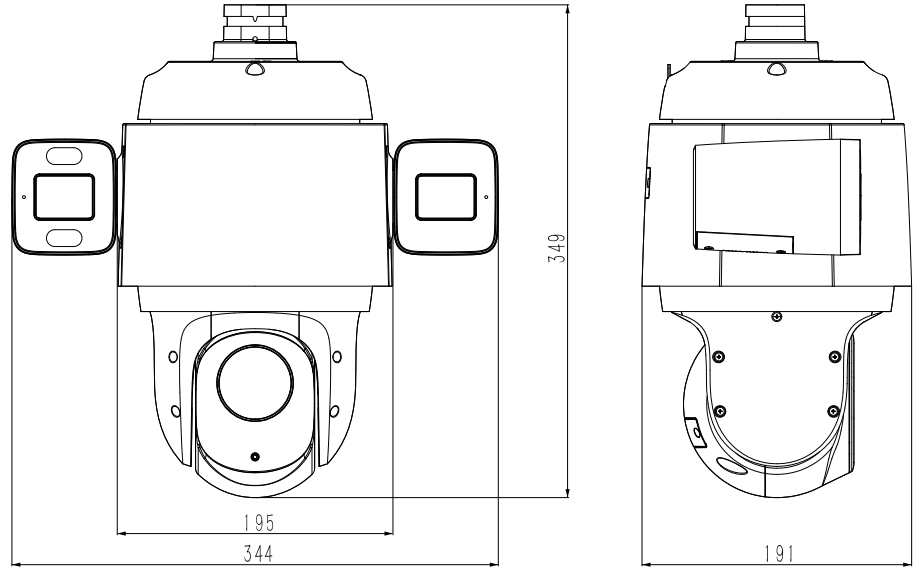
# Tiandy

| Interface               |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication Interface | 2 RJ45 100M/1000M self adaptive Ethernet ports                                                                                                                          |
| Audio                   | 2 Mic, 1/1                                                                                                                                                              |
| Alarm                   | 3/2                                                                                                                                                                     |
| Speaker                 | 2                                                                                                                                                                       |
| Reset Button            | Yes                                                                                                                                                                     |
| On-board storage        | Built-in Micro SD card slot, up to 512 GB                                                                                                                               |
| RS-485                  | Yes                                                                                                                                                                     |
| BNC                     | N/A                                                                                                                                                                     |
| Wiper                   | N/A                                                                                                                                                                     |
| Electronic Compass      | Yes                                                                                                                                                                     |
| GPS/BDS                 | Yes                                                                                                                                                                     |
| General                 |                                                                                                                                                                         |
| Firmware Version        | -                                                                                                                                                                       |
| Web Client Language     | 15 languages<br>Simplified Chinese, Traditional Chinese, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Polish, Dutch, Hebraism, Arabic, Vietnamese |
| Operating Conditions    | -40° C~70° C, 0-95%RH                                                                                                                                                   |
| Power Supply            | AC24V±15%, DC24V±10%                                                                                                                                                    |
| Power Consumption       | Max: 57W                                                                                                                                                                |
| Protection              | IP66, Lightning protection, surge protection and voltage transient protection meets EN 55035:2017                                                                       |
| Heater                  | Yes                                                                                                                                                                     |
| Dimensions              | Φ 191×344×350mm ( Φ 7.52×13.54×13.78inch)                                                                                                                               |
| Weight                  | 7.2kg (15.87lb)                                                                                                                                                         |

\* Listelenen çözünürlükler yalnızca seçilebilir seçeneklerdir. Bu, tüm akışların aynı anda maksimum çözünürlüklerinde çalışabileceği anlamına gelmez.



## DIMENSIONS (Unit: mm)



## ACCESSORIES

### INCLUDED

### OPTIONAL

TC-P52BM Spec: 5/G Wall Mount

TC-P52AM Spec: 5/G Pendant Mount

