



## TC-R3104 Spec:I/B/P4/C/Eu/L/S/V2.0

1HDD 4ch PSE NVR

**AK Series**



### KEY FEATURES

- Up to 4-ch IP camera accesses
- Incoming/Outgoing bandwidth: 60Mbps/40Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 6MP(30fps)×1 or 1080P(30fps)×4
- 4-ch synchronous playback
- Up to 6 TB capacity for each HDD
- Simultaneous HDMI and VGA outputs
- HDMI output at up to 1080P resolution
- 1×RJ-45, 10/100 Mbps self-adaptive Ethernet port
- PoE interface, 4×RJ45, 10/100 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
- Support cloud upgrade



SPECIFICATIONS

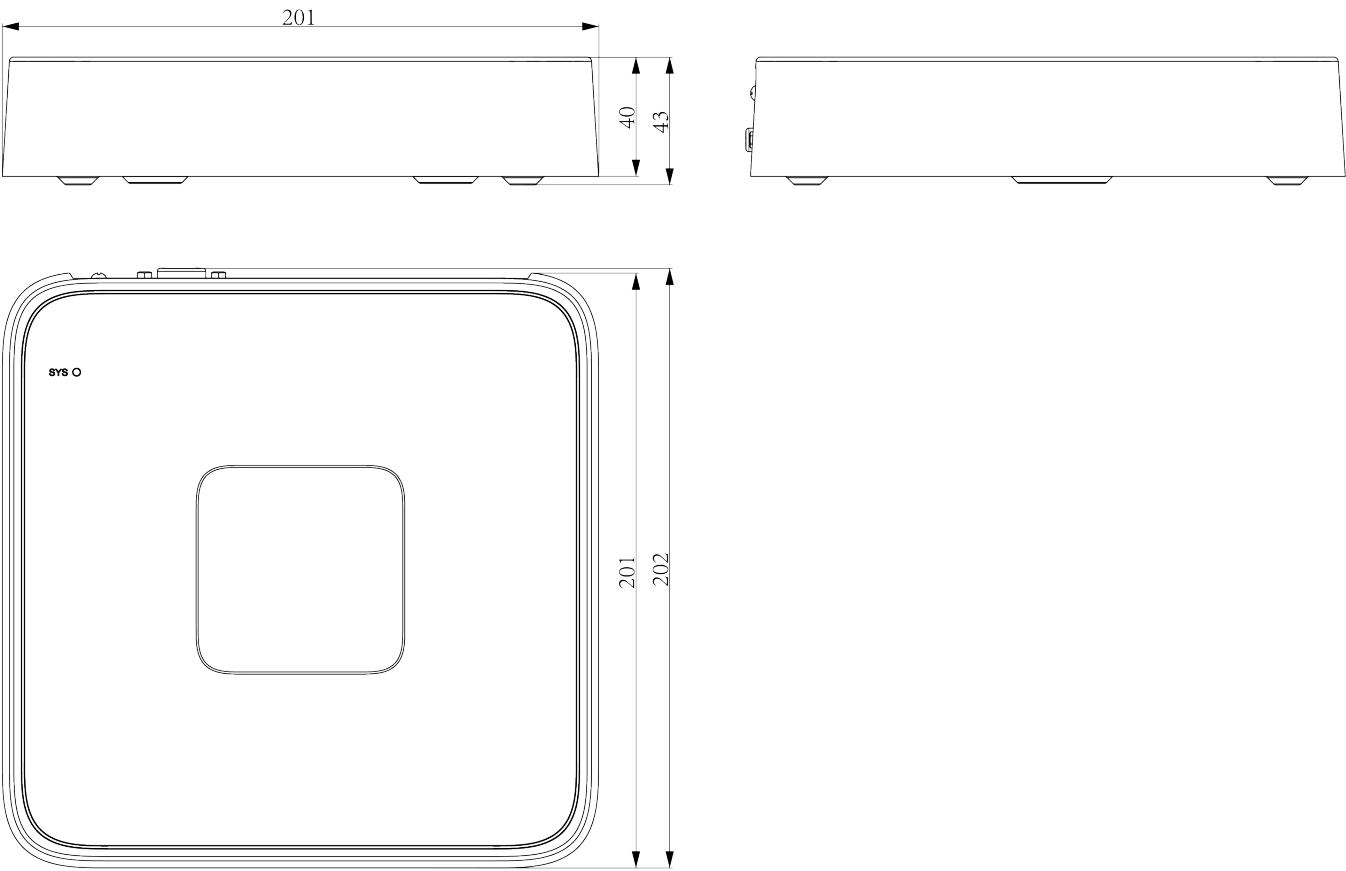
|                              |                                                                                                                                                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video and Audio              |                                                                                                                                                                                                                                                       |
| Access Channel               | 4                                                                                                                                                                                                                                                     |
| Incoming Bandwidth           | 60Mbps                                                                                                                                                                                                                                                |
| Outgoing Bandwidth           | 40Mbps                                                                                                                                                                                                                                                |
| Resolution                   | 6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                                                                                                                           |
| Preview Decoding Capability  | 6MP(30fps)×1, 5MP(30fps)×1, 4MP(30fps)×2, 3MP(30fps)×2, 1080P(30fps)×4, 720P(30fps)×4, 4CIF(30fps)×4                                                                                                                                                  |
| Playback Decoding Capability | 6MP(30fps)×1, 5MP(30fps)×1, 4MP(30fps)×1, 3MP(30fps)×2, 1080P(30fps)×3, 720P(30fps)×4, 4CIF(30fps)×4                                                                                                                                                  |
| Third-party Camera Access    | ONVIF; RTSP                                                                                                                                                                                                                                           |
| HDMI Output                  | HDMI: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz)                                                                                                                                          |
| VGA Output                   | VGA: 1024×768(60Hz), (720P)1280×720(50Hz/60Hz), 1280×800(60Hz), 1440×900(60Hz), (1080P)1920×1080(50Hz/60Hz)                                                                                                                                           |
| Multi-screen Display         | Simultaneous Output:<br>VGA: 1/2/3/4<br>HDMI: 1/2/3/4                                                                                                                                                                                                 |
| Compression                  |                                                                                                                                                                                                                                                       |
| Video                        | S+265; H.265; S+264; H.264                                                                                                                                                                                                                            |
| Audio                        | G711A; G711U; ADPCM_DIV4                                                                                                                                                                                                                              |
| Stream Type                  | Video; Video & Audio                                                                                                                                                                                                                                  |
| Network                      |                                                                                                                                                                                                                                                       |
| Network Protocol             | ARP; DDNS; DHCP; DNS; Easy DDNS; HTTP; ICMP; IGMP; IPv4; IPv6; NTP; RTCP; RTP; RTSP; SSH; TCP/IP; UDP; Unicast; UPnP                                                                                                                                  |
| Mobile Phone Access          | Android; iOS; P2P                                                                                                                                                                                                                                     |
| System Compatibility         | CGI; SDK                                                                                                                                                                                                                                              |
| Web                          | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+                                                                                                                                                                                                      |
| Record Playback              |                                                                                                                                                                                                                                                       |
| Multi-channel Playback       | 4                                                                                                                                                                                                                                                     |
| Record Mode                  | Alarm Recording; Schedule Recording                                                                                                                                                                                                                   |
| Storage Method               | Local HDD                                                                                                                                                                                                                                             |
| Backup                       | USB storage device                                                                                                                                                                                                                                    |
| Playback Function            | Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Digital Zoom                                                                                                                                                 |
| Alarm                        |                                                                                                                                                                                                                                                       |
| General Alarm                | Motion Detection; Mask Alarm; Alarm Input(IPC)                                                                                                                                                                                                        |
| Exceptions Alarm             | Video Loss; IP Conflict; MAC Conflict; Network Disconnected; No Disk; Illegal Access; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; PoE Overload; Voltage Alarm(IPC); RTC Failure |
| Intelligent Analytics        |                                                                                                                                                                                                                                                       |
| AI by Camera                 | Smart Motion                                                                                                                                                                                                                                          |
| Storage                      |                                                                                                                                                                                                                                                       |



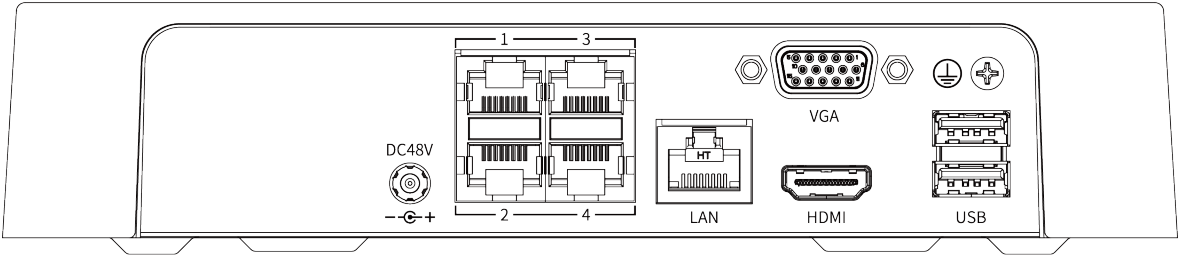
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|-----------------------|---------------------------------------------------------------------------------------|
| HDD Capacity          | Up to 6 TB capacity for each HDD                                                      |
| External Port         |                                                                                       |
| USB                   | 2×USB2.0                                                                              |
| HDMI                  | 1×HDMI                                                                                |
| VGA                   | 1×VGA                                                                                 |
| Network Interface     | 1×RJ-45, 10/100 Mbps self-adaptive Ethernet port                                      |
| SATA                  | 1×SATA interface                                                                      |
| PoE                   |                                                                                       |
| PoE Interface         | 4×RJ45, 10/100 Mbps self-adaptive Ethernet port                                       |
| PoE Budget            | 28W                                                                                   |
| Power per PoE Port    | 28W                                                                                   |
| Standard              | IEEE 802.3 af/at                                                                      |
| General               |                                                                                       |
| UI Language           | English; Spanish; Italian; Turkish; French; Polish; Dutch; Hebrew; German; Portuguese |
| Power Supply          | DC48V 1A                                                                              |
| Power Consumption     | <10W(without HDD&without PoE)                                                         |
| NetWeight             | 0.44kg                                                                                |
| GrossWeight           | 0.81kg                                                                                |
| Boundary Dimensions   | 200(L)200(W)43(H)mm                                                                   |
| Package Dimensions    | 315(L)70(W)235(H)mm                                                                   |
| Operating Temperature | -10°C~+55°C (+14°F~+131°F)                                                            |
| Operating Humidity    | 10%~90%RH (non-condensing)                                                            |
| Storage Temperature   | -20°C~+60°C (-4°F~+140°F)                                                             |
| Package Kit           | Network Video Recorder; Screw Pack; Mouse; European Standard Power Adapter            |



DIMENSIONS (Unit: mm)



Physical Interfaces





## TC-C32XN Spec:I3/E/Y/M/2.8mm/ V5.1

2MP Fixed IR Turret Camera

Spark Series



### KEY FEATURES

- Metal housing
- Up to 2MP, 1920 × 1080@30fps
- S+265/H.265/H.264B/H.264M/H.264H
- Color: 0.02Lux@(F2.0, AGC ON), B/W: 0Lux with IR
- IR range up to 30m
- Built-in Mic
- Operating conditions -30°C~60°C (-22°F~140°F), ≤95%RH
- PoE: IEEE 802.3af, Max. 6W

## SPECIFICATIONS

| Camera               |                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------|
| Image Sensor         | 1/2.9"CMOS                                                                                                |
| Min. Illumination    | Color:0.02Lux@(F2.0,AGC ON),B/W:0Lux with IR                                                              |
| Shutter Time         | 1s~1/100000s                                                                                              |
| Day&Night            | IR-cut filter with auto switch (ICR)                                                                      |
| Smart IR             | Yes                                                                                                       |
| WDR                  | DWDR                                                                                                      |
| S/N                  | >37dB                                                                                                     |
| Angle Adjustment     | 0~340°(P); 0~75°(T); 0~360°(R)                                                                            |
| Lens                 |                                                                                                           |
| Lens Type            | Fixed focal lens                                                                                          |
| Focal Length         | 2.8mm                                                                                                     |
| Lens Mount           | M12                                                                                                       |
| Aperture Range       | F2.0                                                                                                      |
| Aperture Type        | Fixed                                                                                                     |
| Field of View        | 102.8°(H); 57.6°(V); 117.8°(D)                                                                            |
| DORI Distance        | Detect:40.0m<br>Observe:15.9m<br>Recognize:8.0m<br>Identify:4.0m                                          |
| Illuminator          |                                                                                                           |
| IR LEDs              | 2                                                                                                         |
| IR Distance          | Up to 30m                                                                                                 |
| Wavelength           | 850nm                                                                                                     |
| Compression Standard |                                                                                                           |
| Video Compression    | S+265/H.265/H.264B/H.264M/H.264H                                                                          |
| Video Bit Rate       | 32k~4Mbps                                                                                                 |
| Audio Compression    | G.711A/G.711U                                                                                             |
| Audio Sampling Rate  | 8kHz                                                                                                      |
| Image                |                                                                                                           |
| Max. Resolution      | 2MP,1920×1080@30fps                                                                                       |
| Main Stream          | PAL:25fps(1920×1080, 1280×720, 704×576, 640×480)<br>NTSC:30fps(1920×1080, 1280×720, 704×480, 640×480)     |
| Sub Stream           | PAL:25fps(704×576, 704×288, 640×360, 352×288)<br>NTSC:30fps(704×480, 704×240, 640×360, 352×240)           |
| BLC                  | Yes                                                                                                       |
| HLC                  | Yes                                                                                                       |
| AGC                  | Yes                                                                                                       |
| 3D DNR               | Yes                                                                                                       |
| White Balance        | Auto/Semi-Auto/Manual/Sunshine/Nature Light/Warmlight Lamp/Daylight Lamp/Filament Lamp/Lock White Balance |

|     |                                                                                                                                               |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| OSD | Overlay of additional characters in 1 regions, 1 line, with a maximum of 48 characters or 16 Chinese characters per region; 16*16/32*32/48*48 |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|

|              |                      |
|--------------|----------------------|
| Privacy Mask | 4 black static areas |
|--------------|----------------------|

|       |     |
|-------|-----|
| Defog | Yes |
|-------|-----|

## Feature

|               |                  |
|---------------|------------------|
| General Alarm | Motion Detection |
|---------------|------------------|

|                  |                     |
|------------------|---------------------|
| Exceptions Alarm | IP Address Conflict |
|------------------|---------------------|

|                |                               |
|----------------|-------------------------------|
| Linkage Method | Trigger Capture; Alarm Output |
|----------------|-------------------------------|

## Network

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Protocols | HTTP; TCP/IP; UDP; ICMP; DHCP; DNS; NTP; TLS v1.2; IPv4; Telnet; Unicast |
|-----------|--------------------------------------------------------------------------|

|                      |                                                |
|----------------------|------------------------------------------------|
| System Compatibility | ONVIF(Profile S/T) ; SDK; CGI; Milestone; RTSP |
|----------------------|------------------------------------------------|

|                   |    |
|-------------------|----|
| Remote Connection | ≤2 |
|-------------------|----|

|        |           |
|--------|-----------|
| Client | Easy7 VMS |
|--------|-----------|

|               |               |
|---------------|---------------|
| Moblie Client | EasyLive Plus |
|---------------|---------------|

|     |                                                  |
|-----|--------------------------------------------------|
| Web | IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+ |
|-----|--------------------------------------------------|

## Interface

|                         |                         |
|-------------------------|-------------------------|
| Communication Interface | 1*RJ-45 (10/100 Base-T) |
|-------------------------|-------------------------|

|              |     |
|--------------|-----|
| Built-in Mic | Yes |
|--------------|-----|

## General

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Web Client Language | 12 languages<br>English/Spanish/Italian/Turkish/Russian/Thai/French/Polish/Arabic/Vietnamese/Portuguese/<br>Japanese |
|---------------------|----------------------------------------------------------------------------------------------------------------------|

|                       |                         |
|-----------------------|-------------------------|
| Operating Temperature | -30°C~60°C(-22°F~140°F) |
|-----------------------|-------------------------|

|                    |        |
|--------------------|--------|
| Operating Humidity | ≤95%RH |
|--------------------|--------|

|                     |                         |
|---------------------|-------------------------|
| Storage Temperature | -30°C~60°C(-22°F~140°F) |
|---------------------|-------------------------|

|                  |                           |
|------------------|---------------------------|
| Storage Humidity | 10%~95%RH(non-condensing) |
|------------------|---------------------------|

|              |                          |
|--------------|--------------------------|
| Power Supply | PoE:IEEE 802.3af,Max. 6W |
|--------------|--------------------------|

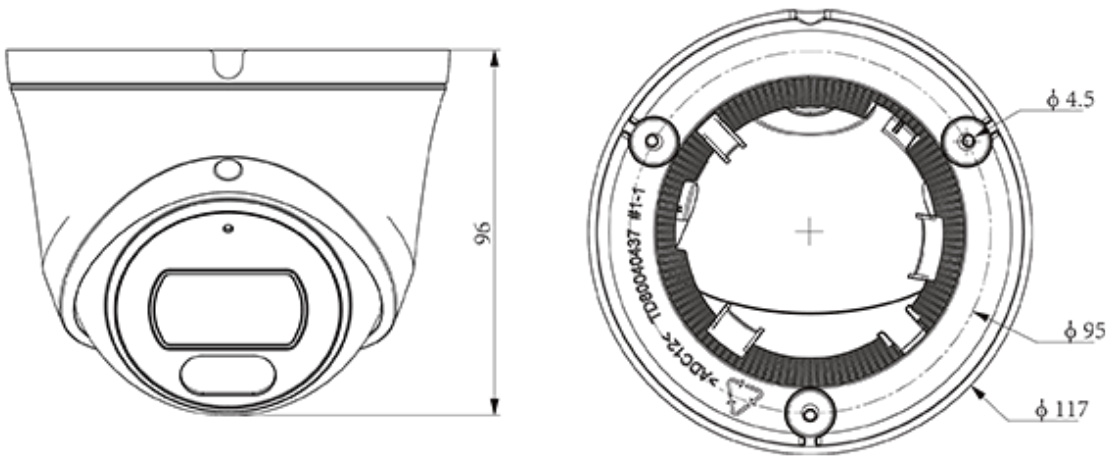
|            |                      |
|------------|----------------------|
| Protection | Surge4000V; ESD6000V |
|------------|----------------------|

|                     |                     |
|---------------------|---------------------|
| Boundary Dimensions | 117(L)117(W)96(H)mm |
|---------------------|---------------------|

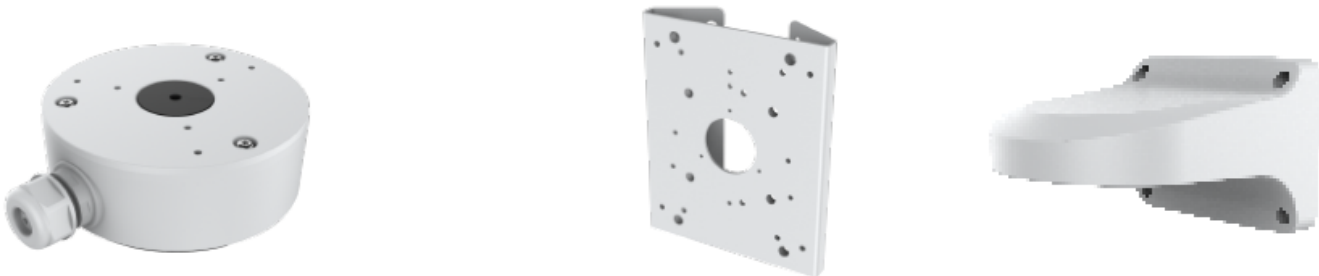
|                    |                      |
|--------------------|----------------------|
| Package Dimensions | 140(L)140(W)120(H)mm |
|--------------------|----------------------|

|             |       |
|-------------|-------|
| GrossWeight | 0.7kg |
|-------------|-------|

DIMENSIONS (Unit: mm)



Assembly diagram of Junction Box



TC-P54BM Spec:V5

A36

A29