TVT

Secure The World With You

NVR

# 16CH NVR

## 16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P HD PoE NVR




# TD-3316H4-16P-B2-C

4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA

TD-3316H4-16P-B2-C supports 16 CH 16MP /12MP / 9MP/8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280x1024/960P/ 720P high definition IP input, which adopts the advanced SOC technique to ensure high definition recording in each channel and realize outstanding robustness of the system.

TD-3316H4-16P-B2-C integrates with 16 PoE network ports and supports 16 CH IPC direct connection to NVR , simultaneous 16 CH playback, and 4K high definition display. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

en.tvt.net.cn

For more information, please visit our website

**Shenzhen TVT DIGITAL TECHNOLOGY CO., LTD.**

Address: 23rd Floor, Block B4, Building NO.9, Shenzhen Bay Eco-Technology Park, Nanshan District, Shenzhen, Guangdong Province, P.R.China

Tel: +86-755-36995888

Fax: +86-755-33104777

Web site: http://en.tvt.net.cn

E-mail: overseas@tvt.net.cn

# 16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P HD PoE NVR

## SPECIFICATIONS

| Model | | TD-3316H4-16P-B2-C |
|---|---|---|
| System | OS | Embedded Linux |
| Video | Compression | H.265S/H.265+/H.265/H.264 |
| | IP Video Input | 16CH IPC input |
| | Resolution | 16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF |
| | Network Bandwidth | 192Mbps/192Mbps(incoming/outgoing)<br>*When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR. |
| | Output | HDMI1: 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768<br>HDMI2: 1920 × 1080 / 1280 × 1024 / 1024 × 768<br>VGA ×1: 1920 × 1080 / 1280 × 1024 / 1024 × 768<br>VGA and HDMI1 output the same video source |
| | Multi-screen Display | Main output: 1/4/6/8/9/13/16 (live view)<br>AUX output: 1/4/6/8/9 (live view)<br>Max. 16+9CH local live view |
| Audio | Network Input | 16 CH IPC audio input |
| | 2-way Audio | RCA × 1 |
| | Local Output | RCA × 1 |
| | Compression | G.711(U/A) |
| Record | Record Stream | Dual stream recording |
| | Resolution | 16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF |
| | Frame Rate | NTSC: 30fps; PAL: 25fps |
| Cloud Storage | Number of Channels | 8CH |
| | Record | Resolution: 1080P/720P |
| | | Frame Rate: 15fps |
| Playback | Simultaneous Playback | Max 16CH |
| | Search | Time slice / time / event / tag / smart search |
| | Function | Play, pause, FF, FB, digital zoom, etc. |
| Decoding Capability | Live View/ Playback | Non-AI Mode: 1×16MP@30fps/4×8MP@30fps/9×3MP@30fps/16×2MP@30fps<br>AI Mode:1×16MP@30fps/4×6MP@30fps/9×3MP@30fps /16×720P@30fps |
| Alarm | Mode | Manual, sensor, motion, exception, smart events, etc. |
| | Input | 16 CH local alarm input |
| | Output | 4 CH |
| | Triggering | Record, snap, preset, e-mail, etc. |
| Face | Face Detection Performance (AI by IPC) | 16CH |
| | Face Detection Performance (AI by NVR) | PicSearch disabled: 2 CH(2MP) or 1CH (4MP)<br>PicSearch enabled: 1CH(2MP) or 1CH (4MP) |
| | Face Match Performance | PicSearch disabled: 6 CH<br>PicSearch enabled: 3CH |
| | Comparison Capability | 18 pictures / second |
| | Face Picture Database | 32 libraries<br>Up to 1, 000 face pictures when each picture is ≤15KB |
| | Face Picture Search | Search by picture is supported |
| | Database Management | Add, modify, delete and search face pictures |
| | Face Picture Adding | Add face pictures through APP, WEB and external import |
| | Face Picture Comparison | Support successful face recognition alarm and stranger match alarm |
| | Track | Track display on a map |
| | Statistical Graph of Information | Bar graph |
| | Statistical Mode of Information | Statistics by day, week, month, quarter as well as customized time period |
| Perimeter Protection | Human/Vehicle Classification (AI by IPC) | 16CH |
| | Human/Vehicle Classification (AI by NVR) | PicSearch disabled: 2 CH(2MP) or 1CH (4MP)<br>PicSearch enabled: 1CH(2MP) or 1CH (4MP) |
| Video Metadata | Human/Vehicle Attribute Analysis (AI by IPC) | Yes |
| Other Functions | Fisheye | Supports fisheye dewarping via NVR/Web Client/mobile APP |
| | Plate Recognition (AI by IPC) | Yes (License plate database: up to 5000 plate numbers) |
| Network | Interface | RJ 45 1000 Mbps × 2 |
| | Protocol | TCP / IP, HTTP, HTTPs, 802.1X, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP |
| | Client Connection | Max.64 users access |
| PoE | PoE Port | RJ 45 100Mbps × 16 |
| | Standard | IEEE802.3AF/AT |
| | Output Power | ≤ 200W |
| Mobile Device | OS | iOS, Andriod |
| Storage | HDD Interface | SATA × 4, max 16T for each HDD |
| | E-SATA Interface | E-SATA × 1 |
| Backup | Local Backup | U disk, USB mobile HDD |
| | Network Backup | Yes |
| External Interface | RS 485 | Yes (full-duplex), connect to PTZ or keyboard |
| | USB | USB 3.0 × 1 ; USB 2.0 × 2 |
| | Remote Controller | Optional |
| Others | Power Supply | 100~240VAC, 50-60Hz |
| | Consumption | ⩽ 20W ( without HDD and PoE power supply ) |
| | Certificate | CE, FCC |
| | Environmental Protection | Complies with Directive EU RoHS, REACH and WEEE |
| | Dimensions(mm) | 440 × 390 × 70( W × D × H ) |
| | Working Environment | -10 ～ 50 ℃， 10% ～ 90% humidity |

## Features

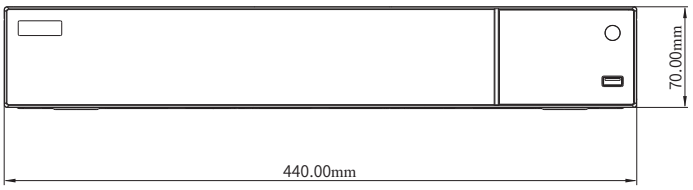
- Support 16CH 16MP/12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF IPC Input
- H.265S/H.265+/H.265/H.264
- Intuitive and user-friendly Graphic User Interface ( GUI ), Windows style operation by mouse
- Multi-type recording: manual / timed / motion / sensor / POS / AI recording
- Playback : 16 CH simultaneous playback
- Search : time slice, time, event, tag and smart search
- Support face detection and comparison
- Support multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
- Support license plate recognition
- Support POS information overlay on live view and playback
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Support 16CH PoE IPC direct connection to NVR via PoE ports
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K output, true high resolution display
- Support PTZ preset and auto cruise
- Support NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

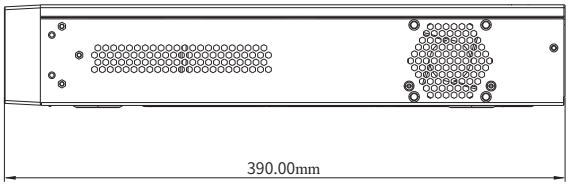
***AI mode: support dual output, AI by NVR, face comparison and PicSearch, but not support cloud storage**
**Non-AI mode (default mode): support dual output and cloud storage but not support AI by NVR, face comparison and PicSearch**



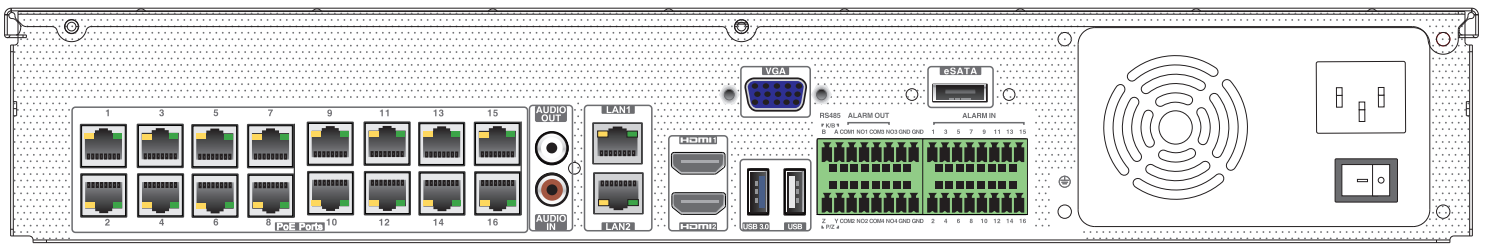
*All pictures and specifications are for reference only and are subject to change without prior notice.

## DIMENSIONS




## Rear Panel






*All pictures and specifications are for reference only and are subject to change without prior notice.