16 CH 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P high definition PoE NVRs, which adopt the most advanced SOC technique to ensure high definition recording in each channel and realize outstanding robustness of the system. It integrates with 16 PoE network ports, support 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.

## FEATURES

- Support 16 CH 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P IP input
- Adopt standard H.265 and H.264 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphic User Interface ( GUI ), Windows style operation by mouse
- Multi-mode recording: manual / timer / motion / sensor
- Playback : 16 CH simultaneous playback

# TS series 5416-16E | 16Ch Network Video Recorder (NVR), 16 PoE port, H.265, up to 8MP (4K), HDMI, 112Mbps Bandwidth, 8 × SATA, 1 × eSATA

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- Search : time slice, time, event ( manual, sensor, motion ), tag search
- Express and flexible backup via USB, network and so on
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol and CMS supported
- Remote control via IE or CMS : preview, playback, backup, PTZ and configuration
- 16 PoE network ports, support IPC direct connection to NVR; support PoE power supply
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QRCode scanning by mobile phone and PAD
- Powerful smart phone & Pad surveillance with iOS and Andriod OS

## SPECIFICATIONS

| System | |
|---|---|
| Compression | Standard H.265, H.264 |
| OS | Embedded Linux |
| **Video** | |
| Network Input | 16 CH IPC input |
| Network Access Bandwidth | 112Mbps |
| Network Access Format | 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P@25 / 30fps |
| Output | HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768<br>VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768 |
| **Audio** | |
| Network Input | 16 CH IPC audio input |
| 2-way Audio | RCA × 1 |
| Local Output | RCA × 1 |
| **Record** | |
| Record Stream | Dual stream recording |
| Resolution | 8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P |

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| | |
|---|---|
| Mode | Manual, timer, motion, sensor |
| **Playback** | |
| Simultaneous Playback | Max 16 CH |
| Search | Time slice / time / event / tag search |
| Smart Search | Highlighted color to display the camera record in a certain period of time, different colors refers to different record events |
| Function | Play, pause, FF, FB, digital zoom, etc. |
| **Alarm** | |
| Mode | Manual, sensor, motion, exception |
| Input | Support IPC alarm input |
| Output | Support IPC alarm output |
| Triggering | Record, snap, preset, e-mail, etc. |
| **Network** | |
| Interface | RJ45 10 / 100 / 1000 Mbps × 1 |
| PoE Port | RJ45 × 16 |
| Protocol | TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP |
| **Mobile Device** | |
| OS | iOS, Andriod |
| **Storage** | |
| HDD | SATA × 2, max 8T per HDD |
| **Backup** | |
| Local Backup | U disk, USB mobile HDD |
| Network Backup | Yes |
| **Port** | |
| USB | USB 2.0 × 2 ( one in the front panel and the other in the rear panel ) |
| Remote Controller | Optional |
| **Others** | |
| Power Supply | DC48V |
| Consumption | ≤ 15W ( without HDD ) |
| Dimensions (mm) | 380 × 268 × 52 ( W × D × H ) |

**TS series 5416-16E | 16Ch Network Video Recorder (NVR), 16 PoE port, H.265, up to 8MP (4K), HDMI, 112Mbps Bandwidth, 8 × SATA, 1 × eSATA**

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| Work Environment | −10 ~ 50°C, 10% ~ 90% humidity |
|---|---|