

All-in-One Server



TD-A616E-E

Based on the conception of “All-in-One”, TD-A616E-E is a server specially designed for security surveillance application. Its software is installed before delivery, combined the video stream transfer and view and the record storage and playback. Due to its low cost, simple deployment, flexible expansion, powerful performance, user-friendly interface design, good compatibility and high reliability, abundant data storage and strong management capability, it can meet the requirements of various large and medium sized video surveillance systems.

It can be widely used in security cities and intelligent cities, including banking, transportation, public security, enterprise and public institution and so on.



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For more information, please visit our website

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Specifications

CPU	Intel Xeon Processor E3
OS	Cent OS7.4
Memory	8GB DDR4 ECC, up to 64GB DDR4ECC memory
HDD	3.5 inch SATA x 16 (hot-pluggable); built-in 2.5 inch SATA x 2
HDD Installation	Independent HDD bracket
Capacity	Up to 128TB
RAID	Hardware RAID; support RAID0,1,5
Expansion	1*PCI-E3.0x16(x8);1*PCI-E3.0x8;1*PCE-E3.0x8(x4)
Network Card	Integrated I210-AT dual gigabit network cards, load balancing and if one is offline, the other will replace
IPMI	ASPEED AST2400 BMC, independent IPMI interface; support iKVM
Monitor Control	Integrated display controller
Protocol	Support TCP / UDP / RTSP protocol
Search	Built-in index, accurate to second-level
Performance	Up to 900Mbps incoming and recording Up to 800Mbps incoming, 800Mbps recording and 96Mbps playback Up to 800Mbps incoming, 800Mbps recording and 96Mbps live view
Way of Management	WEB management, seamless access to NVMS
Capability of Management	RAID management, record management, system log as well as alarm processing
Security	Supply TPM interface; TPM module installation supported
Interface	1× VGA, 6× USB(4 in the real panel and 2 in the front panel), 2× RJ 45, 1× IPMI, 1× RS 232
Power Supply	550W 1+1 redundant power supply, 100~240V-7~3.4A / 50~60Hz
Temperature	Working: 10°C to 35°C; standby: -40°C~+55°C(ambient)
Relative Humidity	Working: < 90% RH(35°C)
Noise	Working: < 50DbA
ESD	Each item conforms to Intel ambient temperature test standard 15KV

Available Accessories

3U/4U common rails

Features

- High-performance X86 hardware platform, stable and reliable
- Preset software before delivery; All-in-One simple deployment
- Support the device access of TVT and other famous manufacturers in the industry; support ONVIF protocol
- Support device auto-report
- Support adding devices through IP address, IP address segment, domain name and serial number
- Automatically search devices and quickly adding devices
- Support standard, widescreen and customized screen display modes
- Support instant playback and alarm preview
- Support corridor and fisheye modes
- Support PTZ direction control and focus control; support setting and calling preset and cruise
- Support voice monitoring, two-way talk and broadcast
- Support record search, playback and downloading from device and control center
- Support search and playback by time, channel, event and tag
- Support time-slice playback
- Support record clip and backup; support backup by time and event
- Support video search, playback and downloading from SD card of the IPC
- Support multi-level images and online E-map
- Support TV wall management, including splicing, PIP, roaming and triggering video on TV wall
- Support auto-switch plan and auto-switch camera group on TV wall
- Support various alarm types and alarm linkages
- Support multi-level, multi-area and multi-user permission management
- Support log management, including notices and alarms of device's online and offline status
- SDK/OCX available for client's secondary development
- Support GB/T28181-2011, DB31/T889-2015 and DB33/T629-2011 protocols
- Support alarm host, access control system/attendance system, dynamic environment surveillance system as well as one-button alarm system access
- Support Android/iOS mobile APP
- Integrated Intel Xeon E3-1220V5 high-performance 4 core processor, up to 8GT/s data transfer rate, 64 bit expansion, I/O acceleration, Turbo, Hyper-Threading Technology
- 4 memory card slots, up to 64GB DDR4-1866/2133MHz ECC
- 2 gigabit Ethernet ports; support I/OA technology; support link aggregation and binding redundancy; support iKVM;IPMI×1
- 12Gbps SAS Expander, 12Gbps RAID card (RAID0,1,5 supported)
- 16 *3.5 inch hot-pluggable HDD slots and 2 built-in 2.5 inch HDD slots, up to 128TB
- 3 control expansion slot: 1*PCI-E3.0x16(x8);1*PCI-E3.0x8; 1*PCE-E3.0x8(x4)
- 550W 1+1 redundant power supply
- Monitoring various status of the storage server, such as connection status, network status, hardware status and so on; judging the fault level according to the buzzer sound; timely recording event information and operation logs of the device; providing full solution of real-time monitor and alarm of the device
- Independent IPMI interface; supports iKVM, remote startup and shutdown and software installation services
- Provide TPM interface which supports TPM standard security chip, so that the device can be protected effectively in case of the illegal user access
- Embedded device access and transfer modules without extra transfer server access
- Its transfer server doesn't rely on platform, so the recording will not be interrupted even if the network of the platform server is disconnected

Dimensions

