V3073-32KE-R Series

Network Video Recorder

Infinova®
The Integrator's Manufacturer

- Adopts professional high performance multi-media network processor and embedded Linux system, low power consumption and high stabilization
- Supports 32-ch high definition network video input and storage
- Supports H.265/H.264 video format
- Supports 2-ch HDMI and 1-ch VGA output, with HDMI1 up to 4K(3840×1080P/60Hz) resolution
- Max 400Mbps incoming bandwidth
- Supports 16-channel 1080P video real-time decoding and synchronous playback
- Supports 8 SATA hard disk ports and each supports a hard disk with capacity up to 6TB
- Support HDD hot swap with Raid 0,1,5,10
- Supports seamless screen switch, no black screen or interruption during switching among pictures
- Fluency priority mode and real-time priority mode optional
- Optimizes video write-in mechanism, effectively lowering hard disk damage rate and lengthening the service life of hard disks
- Supports hard disk hibernation so as to lower its operating temperature and reduce its average working time
- Supports hard disks S.M.A.R.T intelligent detecting that will filter out hard disks under bad health conditions in advance
- Flexible hard disks management mechanism, supports hard disk group management
- Supports recording files locking to ensure that significant files should not be overwritten
- Supports system diagnosing, abnormal information may output from a U disk or serial port for quick issue resolving
- Supports ONVIF protocol and can connect to network cameras of lots of leading manufacturers
- Supports ONVIF time checking, capturing, PTZ, etc.
- Supports IPC central management and configurations and you can configure IPC resolution, data rate, frame rate, motion detection, etc.
- Supports configuration files import/export, system upgrade, voice intercom and the like
- Supports keyboard V2117/V2117X
- Supports combined search based on conditions of channels, start time and end time, video type, duration, etc.
- Supports DDNS and domain name resolution such as peanut shell
- Supports multi-casting
- Supports NTP bi-directional time checking
- Supports N+1 system level protection and backup

The V3073-32KE-R series embedded HD network video recorder is an HD surveillance and storage device that integrates HD image decoding technology, network technology and storage technology, supporting mainstream brand network cameras access.

The product can be widely used in professional safety and security surveillance areas of safe city, bank, smart transportation, smart building, hospital, school, community, factory etc.

Technical specifications

System

Operating System	Embedded Linux system
Image Decoding Standard	H.265/H.264

Video/Audio Input

Network Video Input	32 channels
Network Video Bandwidth	Up to 400Mbps incoming bandwidth
Network Video Access Protocols	Infinova, Hikvision, Axis, Samsung, ONVIF, etc.
Audio Input	32-ch IPC composite audio input

Video Playback

Recording Resolution	8MP/5MP/3MP/1080P/1600×1200/720P/640×480/ D1/4CIF/DCIF/2CIF/CIF/QCIF
Recording Methods	Manual, motion detection, timing and alarm
Playback	Supports 16 channels 1080P synchronous playback
Backup Modes	General, batch

Video/Audio Output

HDMI Output	2ch, HDMI0 resolution 1920×1080P/60Hz, HDMI1 resolution 3840×1080/60Hz
VGA Output	1ch, resolution 1920×1080P/60Hz
Split Preview	1/2/4/8/9/16
Audio Output	1ch, BNC (linear, 600 Ω)

Storage

Type	8 × SATA ports
Max. Capacity	Each port supports an HDD of 6TB capacity
RAID	RAID 0,1,5,10

Port

Voice Intercom Input	1ch input, BNC (2.0 Vp-p, 1k Ω) 1ch output, BNC (linear, 600 Ω)
Network Port	2 × RJ45，10/100/1000M self-adaptive Ethernet port
USB Port	2 × USB2.0, 1 × USB3.0
Alarm I/O	8-ch input, 2-ch output

Network

Protocol	Supports TCP/IP, UDP, DHCP, DNS, NTP, DDNS, PPPOE, FTP, UPNP, multicast, etc.

Miscellaneous

Power	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
Power Consumption	<30W (without hard disk)
Operating Temperature	23°F ~ 131°F (-5°C ~ 55°C）
Operating Humidity	10% ~ 90% (non-condensing)
Dimension (W×D×H)	17.32"×17.72"×3.54"(440mm×450mm×90mm)
Weight	≤17.64lbs (≤8Kg) (without hard disk)

Certifications and Approval

Product Certifications	CE[1], FCC[2], RoHS

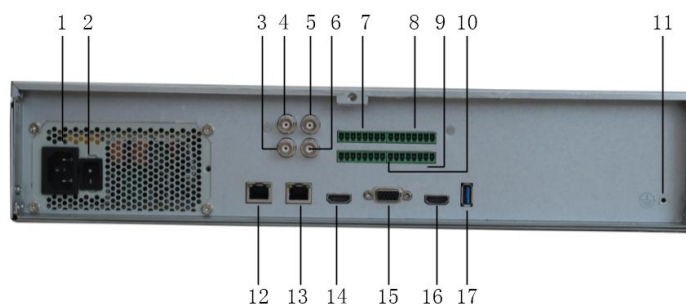Certificate No.: CTE17030227, TRE17030228

Panel view

Front panel view

1. USB2.0 port
2. HDD indicator lamp
3. Power on/off button
4. Alarm indicator lamp
5. Network 1 status indicator lamp
6. Running status indicator lamp
7. Network 2 status indicator lamp

Rear panel view

1. Power port　　2. Power switch　　3. Audio input　　4. Video output
5. Intercom input　　6. Intercom output　　7. Alarm input　　8. Alarm output
9. RS485 (reserved)　　10. GND　　11. GAD　　12. Eth0 port (RJ45)
13. Eth1 port (RJ45)　　14. HEMI1 port (up to 4K)　　15. VGA port
16. HDMI0 port　　17 USB3.0 port

Ordering information

V3073-32KE-R	Network video recorder, up to 32-ch video inputs, support H.265/H.264 video format, RAID, support 8HDD slots, w/o HDDs

HDD ordering information

V3091 series SATA HDD—surveillance level

V3091-2000-S3	2TB, 3.5 inch, 5900rpm, 64MB cache, SATA
V3091-3000-S3	3TB, 3.5 inch, 5900rpm, 64MB cache, SATA
V3091-4000-S	4TB, 3.5 inch, 5900rpm, 64MB cache, SATA
V3091-6001-S3	6TB, 3.5 inch, 5900rpm, 256MB cache, SATA