

VCN510-8

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 8-channel network video access and 128 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss.
- Supports SafeVideo+ to store the redundant data on demand.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Plug and play, automatic configuration
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model | VCN510-8 |
|--|---|
| Device performance Maximum video access | O character |
| channels | 8 channels |
| Video input bandwidth Video forwarding | 128 Mbit/s 32 channels |
| Video | 8 channels |
| playback&download Video output bandwidth | 256 Mhit/s |
| Video decoding | 230 Mibiles |
| Video format | H.264, H265, MJEPG |
| Decoding performance | 1-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or a lower resolution |
| Preview modes | 1/4/8/9/16 panes |
| Platform performance | |
| Stacking function | 2 to 16 VCN510-8s can be deployed in stacking modes Single-node system and stacked scenarios: 32 concurrent login users |
| Client | Single-node system: The LDU supports only one user at a time. |
| Storage capacity | |
| Disk quantity Disk interface | 2 SATA3.0 |
| | Monitoring-level hard disk: 3 TB |
| Disk type | Enterprise-level hard disk: 4 TB or 6 TB or 8 TB |
| RAID level Recording management | non-RAID mode, RAID 1 |
| Recording mode | Support for manual recording, scheduled recording, and alarm- |
| | triggered recording |
| Recording protection Query mode | Supports SafeVideo+ to protect data by channels or time Query by time or events |
| Download mode | Batch download, download by time segment |
| Security | Conserve multiple execution elegations and A COSC |
| Media security Watermark | Supports multiple encryption algorithms such as AES256. Allows users to add digital watermarks on PU recordings and generates |
| | alarms when the watermarks are tampered with. |
| Reliability Dual-system | Supported |
| Media transmission | Supports self-adaptive bandwidth, FEC, SEC, and multicast |
| Data safe Compatibility | Backs up key data and automatically restore service data. |
| Device access | Supports access of devices that comply with the Huawei SDK, GB/T 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. |
| Management and mainte | enance |
| Management mode Log download | Supports B/S, C/S management modes. Allows users to download operation and run logs. |
| External interface | |
| Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP HTTP |
| HDMI | 1 x HDMI 2.0 |
| VGA | 1 x VGA |
| Network ports | 2 x 10/100/1000 Mbit/s Ethernet ports |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input | 1 x BNC |
| Audio output Alarm input | 1 x BNC 2 channels |
| Alarm output | 1 channel |
| Others | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, |
| Support Protocol | NTP RTSP NTP HTTP |
| Operating temperature Operating humidity | 0°C to 45°C |
| Power consumption (including disks) | 5% to 95% (without condensation) < 60 W |
| Power supply | 100 V AC to 240 V AC (50/60 Hz) |
| | Dimensions (excluding mounting ears): 43.6 mm x 442.0 mm × 310.0 |
| Dimensions (H x W x D) | Dimensions (with mounting ears): 43.6 mm × 482.6 mm × 310.0 mm |
| Cabinet Weight(including disks) | Standard 19-inch 1 U cabinet |
| Weight(including disks) Certification | ≤4.7 kg (including 2 disks) |
| China | Type inspection report issued by the Ministry of Public Security and T28181 |
| Outside China | CE, RoHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Botswana, Tanzania, Algaria, Hagada, Fuyur and Oata). |
| | Tanzania, Algeria, Uganda, Egypt, and Qatar) |



VCN510-8P

Video Cloud Node















Product Features

High Performance and Flexible Applications

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High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss
- Supports SafeVideo+ to store the redundant data on demand.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Plug and play, automatic configuration
- Directly connected to PoE ports, saving deployment costs
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model | VCN510-8P |
|--|--|
| Device performance Maximum video access | |
| channels | 8 channels |
| Video input bandwidth | 128 Mbit/s |
| Video forwarding Video | 32 channels |
| playback&download | 8 channels |
| Video output bandwidth | 256 Mbit/s |
| Video decoding | |
| Video format | H.264, H265, MJEPG |
| Decoding performance | 1-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or a lower resolution |
| Preview modes | 1/4/8/9/16 panes |
| Platform performance Stacking function | 2 to 16 VCN510-8Ps can be deployed in stacking modes |
| | Single-node system and stacked scenarios: 32 concurrent login users |
| Client | Single-node system: The LDU supports only one user at a time. |
| Storage capacity | |
| Disk quantity | 2 |
| Disk interface | SATA3.0 Monitoring level hard dick: 3 TR |
| Disk type | Monitoring-level hard disk: 3 TB Enterprise-level hard disk: 4 TB or 6 TB or 8 TB |
| RAID level | non-RAID mode, RAID 1 |
| Recording management | Consent for manual recording coloridates |
| Recording mode | Support for manual recording, scheduled recording, and alarm- triggered recording |
| Recording protection | Supports SafeVideo+ to protect data by channels or time |
| Query mode | Query by time or events |
| Download mode Security | Batch download, download by time segment |
| Media security | Supports multiple encryption algorithms such as AES256. |
| Watermark | Allows users to add digital watermarks on PU recordings and generates |
| Reliability | alarms when the watermarks are tampered with. |
| Dual-system | Supported |
| Media transmission | Supports self-adaptive bandwidth, FEC, SEC, and multicast |
| Data safe Compatibility | Backs up key data and automatically restore service data. |
| Device access | Supports access of devices that comply with the Huawei SDK, GB/T |
| Management and mainte | 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. |
| Management mode | Supports B/S, C/S management modes. |
| Log download External interface | Allows users to download operation and run logs. |
| Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, |
| | SSL, NTP HTTP |
| HDMI | 1 x HDMI 2.0 |
| VGA | 1 x VGA |
| Network ports | 1 x 10/100/1000 Mbit/s Ethernet port, 8 x 10/100 Mbit/s Ethernet ports, PoE supported |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input | 1 x BNC |
| Audio output Alarm input | 1 x BNC 2 channels |
| Alarm output | 1 channel |
| Others | |
| Support Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP RTSP NTP HTTP |
| Operating temperature | 0°C to 45°C |
| Operating humidity | 5% to 95% (without condensation) |
| Power consumption (including disks) | < 60 W |
| Power supply | 100 V AC to 240 V AC (50/60 Hz) |
| Dimensions (H x W x D) | |
| Cabinet | Dimensions (with mounting ears): 43.6 mm × 482.6 mm × 310.0 mm |
| Weight(including disks) | Standard 19-inch 1 U cabinet ≤4.7 kg (including 2 disks) |
| Certification | |
| China | Type inspection report issued by the Ministry of Public Security and T28181 |
| Outside China | CE, ROHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Botswana, Tanzania, Algeria, Uganda, Egypt, and Qatar) |
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VCN510-16

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 16-channel network video access and 256 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss.
- Supports SafeVideo+ to store the redundant data on demand.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Plug and play, automatic configuration
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model | VCN510-16 |
|--|---|
| Device performance | VCN310-10 |
| Maximum video access | 16 channels |
| channels | |
| Video input bandwidth Video forwarding | 256 Mbit/s 64 channels |
| Video | 16 channels |
| playback&download | |
| Video output bandwidth | 256 Mbit/s |
| Video decoding Video format | H.264, H265, MJEPG |
| | 2-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or |
| Decoding performance | a lower resolution |
| Preview modes Platform performance | 1/4/8/9/16 panes |
| Stacking function | 2 to 16 VCN510-16s can be deployed in stacking modes |
| Client | Single-node system and stacked scenarios: 32 concurrent login users |
| Storage capacity | Single-node system: The LDU supports only one user at a time. |
| Disk quantity | 2 |
| Disk interface | SATA3.0 |
| | Monitoring-level hard disk: 3 TB |
| Disk type | Enterprise-level hard disk: 4 TB or 6 TB or 8 TB |
| RAID level Recording management | non-RAID mode, RAID 1 |
| | Support for manual recording, scheduled recording, and alarm- |
| Recording mode | triggered recording |
| Recording protection | Supports SafeVideo+ to protect data by channels or time |
| Query mode | Query by time or events |
| Download mode Security | Batch download, download by time segment |
| Media security | Supports multiple encryption algorithms such as AES256. |
| Watermark | Allows users to add digital watermarks on PU recordings and generates |
| Reliability | alarms when the watermarks are tampered with. |
| Dual-system | Supported |
| Media transmission | Supports self-adaptive bandwidth, FEC, SEC, and multicast |
| Data safe Compatibility | Backs up key data and automatically restore service data. |
| Device access | Supports access of devices that comply with the Huawei SDK, GB/T |
| Device access | 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. |
| DI-# | Supports connection to other platforms that comply with various protocols such as GB/T 28181 to implement diverse functions such as |
| Platform access | live video viewing, video on demand, PTZ control, and alarm reporting |
| Management and mainte | (the VCN510-16 can function only as a lower-level domain). |
| Management mode | Supports B/S, C/S management modes. |
| Log download External interface | Allows users to download operation and run logs. |
| Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, |
| HDMI | SSL, NTP HTTP 1 x HDMI 2.0 |
| | |
| VGA | 1 x VGA |
| Network ports | 2 x 10/100/1000 Mbit/s Ethernet ports |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input | 1 x BNC |
| Audio output | 1 x BNC |
| Alarm output | 2 channels 1 channel |
| Alarm output Others | i diailloi |
| Support Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, |
| Operating temperature | NTP RTSP NTP HTTP 0°C to 45°C |
| Operating humidity | 5% to 95% (without condensation) |
| Power consumption | < 60 W |
| (including disks) | |
| Power supply | 100 V AC to 240 V AC (50/60 Hz) Dimensions (excluding mounting ears): 43.6 mm x 442.0 mm x 310.0 |
| Dimensions (H x W x D) | |
| Cabinet | Standard 19-inch 1 U cabinet |
| | ≤5 kg (including 2 disks) |
| Certification | Type inspection report issued by the Ministry of Public Security and |
| China | T28181 CE, ROHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and |
| Outside China | certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Botswana, Tanzania, Algeria, Uganda, Egypt, and Qatar) |
| | |



VCN510-16P

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 16-channel network video access and 256 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss
- Supports SafeVideo+ to store the redundant data on demand.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

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- Plug and play, automatic configuration
- Directly connected to PoE ports, saving deployment costs
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model Device performance Maximum video access channels Video input bandwidth Video forwarding Video forwarding Video dorwarding Video decoding Video decoding Video decoding Video decoding Video decoding H.264, H.265, MJEPG Decoding performance Preview modes Platform performance Stacking function Preview modes Video decessing Video decoding Video decoding Video decoding Video of the L.264, H.265, MJEPG Decoding performance Preview modes Video format Video decoding Video format Video forma | |
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| channels Video (input bandwidth Video (input | |
| Video forwarding Video output bandwidth Video decoding Video format H.264, H265, MJEPG Decoding performance Preview modes Platform performance Stacking function Single-node system and stacked scenarios: 32 concurrent login u Single-node system: The LDU supports only one user at a time. Video format Video format H.264, H265, MJEPG Decoding performance Preview modes Platform performance Video format Video | |
| Video utput bandwidth Video output bandwidth Video output bandwidth Video output bandwidth Video decoding Video format H.264, H265, MJEPG 2-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 72 a lower resolution Preview modes 1/4/8/9/16 panes Platform performance Stacking function 2 to 16 VCNS10-16Ps can be deployed in stacking modes Single-node system and stacked scenarios: 32 concurrent login u single-node system: The LDU supports only one user at a time. Storage capacity Disk quantity 2 Disk interface SATA3.0 Monitoring-level hard disk: 3 TB Enterprise-level hard disk: 4 TB or 6 TB or 8 TB non-RAID mode, RAID 1 Recording management Recording mode Support for manual recording, scheduled recording, and alarm-triggered recording Recording protection Query mode Query by time or events Download mode Batch download, download by time segment Security Media security Supports SafeVideo+ to protect data by channels or time alarms when the watermarks on PU recordings and general alarms when the watermarks on PU recordings and general alarms when the watermarks are tampered with. Pual-system Media transmission Data safe Compatibility Device access Supports access of devices that comply with the Huawei SDK, GE 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. Supports concention to other platforms that comply with various protocols such as GB/T 28181 to implement diverse functions such ive video viewing, video on demand, PTZ control, and alarm reportions of the platforms that comply with various protocols such as GB/T 28181 to implement diverse functions such works as GB/T 28181 to implement diverse functions such varies and maintenance Management and maintenance | |
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| · | |
| | |
| Alarm input 2 channels | |
| Alarm output 1 channel | |
| Others | |
| Support Protocol TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, | SSL, |
| Operating temperature 0°C to 45°C | |
| Operating lumidity 5% to 95% (without condensation) | |
| Power consumption < 60 W | |
| (including disks) | |
| Power supply 100 V AC to 240 V AC (50/60 Hz) | |
| Dimensions (H x M x D) Dimensions (excluding mounting ears): 43.6 mm x 442.0 mm x 3 | |
| mm | 10.0 |
| Dimensions (with mounting ears): 43.6 mm × 482.6 mm × 310.0 mg/standard 40 inch 1 Ll achinet | |
| Cabinet Standard 19-inch 1 U cabinet Weight(including disks) ≤5 kg (including 2 disks) | |
| Certification | |
| China Type inspection report issued by the Ministry of Public Security an | |
| T28181 | nm |
| CE, RoHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and Outside China certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Bots | nm |
| Tanzania, Algeria, Uganda, Egypt, and Qatar) | mm d |
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VCN510-16PD

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 16-channel network video access and 256 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss
- Supports SafeVideo+ to store the redundant data on demand.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Plug and play, automatic configuration
- Directly connected to PoE ports, saving deployment costs
- Supports DC input power supply, saving deployment costs
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model | VCN510-16PD |
|---|--|
| Device performance | VENSIO TOLD |
| Maximum video access channels | 16 channels |
| Video input bandwidth Video forwarding | 256 Mbit/s 64 channels |
| Video | 16 channels |
| playback&download Video output bandwidth | 256 Mbit/s |
| Video decoding | |
| Video format | H.264, H265, MJEPG |
| Decoding performance | 2-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or a lower resolution |
| Preview modes | 1/4/8/9/16 panes |
| Platform performance | |
| Stacking function Client | 2 to 16 VCN510-16PDs can be deployed in stacking modes Single-node system and stacked scenarios: 32 concurrent login users |
| Storage capacity | Single-node system: The LDU supports only one user at a time. |
| Disk quantity | 2 |
| Disk interface | SATA3.0 |
| Disk type | Monitoring-level hard disk: 3 TB |
| RAID level | Enterprise-level hard disk: 4 TB or 6 TB or 8 TB non-RAID mode, RAID 1 |
| Recording management | |
| Recording mode | Support for manual recording, scheduled recording, and alarm- triggered recording |
| Recording protection | Supports SafeVideo+ to protect data by channels or time |
| Query mode Download mode | Query by time or events Batch download, download by time segment |
| Security | |
| Media security | Supports multiple encryption algorithms such as AES256. |
| Watermark | Allows users to add digital watermarks on PU recordings and generates alarms when the watermarks are tampered with. |
| Reliability | |
| Dual-system | Supported |
| Media transmission Data safe | Supports self-adaptive bandwidth, FEC, SEC, and multicast Backs up key data and automatically restore service data. |
| Compatibility | backs up key data and automatically restore service data. |
| Device access | Supports access of devices that comply with the Huawei SDK, GB/T 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. |
| Platform access | Supports connection to other platforms that comply with various protocols such as GB/T 28181 to implement diverse functions such as live video viewing, video on demand, PTZ control, and alarm reporting (the VCN510-16PD can function only as a lower-level domain). |
| Management and mainte | |
| Management mode Log download | Supports B/S, C/S management modes. Allows users to download operation and run logs. |
| External interface | , mono dono lo dominodo oporalion ana ram rogo. |
| Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP HTTP |
| HDMI | 1 x HDMI 2.0 |
| VGA | 1 x VGA |
| Network ports | 1 x 10/100/1000 Mbit/s Ethernet port, 8 x 10/100 Mbit/s Ethernet ports, PoE supported |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input | 1 x BNC |
| Audio output | 1 x BNC |
| Alarm input Alarm output | 2 channels 1 channel |
| Others | |
| Support Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP RTSP NTP HTTP |
| Operating temperature | 0°C to 45°C |
| Operating humidity | 5% to 90% (without condensation) |
| Power consumption (including disks) | < 60 W (excluding PoE power supply) |
| Power supply | -50 V DC to 56 V DC (DC power supply) |
| Dimensions (H x W x D) | Dimensions (excluding mounting ears): 43.6 mm × 442.0 mm × 310.0 mm Dimensions (with mounting ears): 43.6 mm × 482.6 mm × 310.0 mm |
| Cabinet | Standard 19-inch 1 U cabinet |
| Weight(including disks) Certification | ≤5 kg (including 2 disks) |
| China | Type inspection report issued by the Ministry of Public Security and T28181 |
| Outside China | CE, RoHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Botswana, Tanzania, Algeria, Uganda, Egypt, and Qatar) |
| | |



VCN520-32

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 32-channel network video access and 320 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss
- Supports cloud-based cluster functions. When a device is faulty, services on the faulty device will be intelligently switched to other devices.
- Supports SafeVideo+ to store the redundant data on demand, the recording schedule still work when raid group is faulty, raid group supports online capacity expansion.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Hot-swappable hard disks
- Plug and play, automatic configuration
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

Technical Specifications

| | 1/2/1200 00 |
|---|--|
| Product Model | VCN520-32 |
| Device performance Maximum video access | 00.1 |
| channels | 32 channels |
| Video input bandwidth Video forwarding | 320 Mbit/s 128 channels |
| Video | 32 channels |
| playback&download | |
| Video output bandwidth | 320 Mbit/s |
| Video decoding | |
| Video format | H.264, H265, MJEPG 2-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or |
| Decoding performance | a lower resolution |
| Preview modes | 1/4/8/9/16 panes |
| Platform performance Stacking function | 2 to 16 VCN520-32s can be deployed in stacking modes |
| Client | Single-node system and stacked scenarios: 32 concurrent login users |
| | Single-node system: The LDU supports only one user at a time. |
| Storage capacity | |
| Disk quantity | 4 |
| Disk interface | Hot-swappable SATA3.0, built-in 3.5" ejector level Monitoring-level hard disk: 3 TB |
| Disk type | Enterprise-level hard disk: 4 TB or 6 TB or 8 TB |
| RAID level | non-RAID mode, RAID5 |
| Recording management | Support for manual recording, scheduled recording, and alarm-triggered |
| Recording mode | recording |
| Recording protection | Supports SafeVideo+ to protect data by channels or time |
| Query mode | Query by time or events |
| Download mode Security | Batch download, download by time segment |
| Media security | Supports multiple encryption algorithms such as AES256. |
| Watermark | Allows users to add digital watermarks on PU recordings and generates |
| Reliability | alarms when the watermarks are tampered with. |
| Dual-system | Supported |
| Media transmission | Supports self-adaptive bandwidth, FEC, SEC, and multicast |
| Cluster | N+0 cluster (three to eight VCN520-32s can be deployed in a cluster) that supports dynamic load balancing and full service migration upon a node fault |
| Data safe | Backs up key data and automatically restore service data. |
| Compatibility | |
| Device access | Supports access of devices that comply with the Huawei SDK, GB/T |
| | 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. Supports connection to other platforms that comply with various |
| Platform access | protocols such as GB/T 28181 to implement diverse functions such as live video viewing, video on demand, PTZ control, and alarm reporting |
| Management and mainte | (the VCN520-32 can function only as a lower-level domain). |
| Management mode | Supports B/S, C/S management modes. |
| Log download | Allows users to download operation and run logs. |
| External interface | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, |
| Protocol | SSL, NTP HTTP |
| HDMI | 1 x HDMI 2.0 |
| VGA | 1 x VGA |
| | |
| Network ports | 2 x 10/100/1000 Mbit/s Ethernet ports |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input Audio output | 1 x BNC |
| Alarm input | 1 x BNC 4 channels |
| Alarm output | 2 channels |
| Others | TOR LIDE ID.4 LITTED DTD DTOR DTOR OIL ADD OOL |
| Support Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP RTSP NTP HTTP |
| Operating temperature Operating humidity | 0°C to 45°C 5% to 95% (without condensation) |
| | |
| Power consumption (including disks) | <100 W |
| Power supply | 100 V AC to 240 V AC (50/60 Hz) |
| S | Dimensions (excluding mounting ears): 86.1 mm x 442.0 mm × 420.0 |
| Dimensions (H x W x D) | mm Dimensions (with mounting ears): 86.1 mm × 484 mm × 420.0 mm |
| Cabinet | Standard 19-inch 2 U cabinet |
| | ≤10.8 kg (including 4 disks) |
| Certification | Type inspection report issued by the Ministry of Public Security and |
| China | T28181 |
| | CE ROHS REACH WEEE ECC IC NRTI CCC COC and |

CE, RoHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and

Outside China



VCN540-64

Video Cloud Node















Product Features

High Performance and Flexible Applications

- Supports 64-channel network video access and 320 Mbit/s video input bandwidth.
- Supports deployment in a single node or stacking mode, and cascading with VCN3000 series.

High Reliability

- Supports disk shockproof design, decreasing the failure rate.
- Supports dual-system design to reduce risk of service interruption and video loss
- Supports cloud-based cluster functions. When a device is faulty, services on the faulty device will be intelligently switched to other devices.
- Supports SafeVideo+ to store the redundant data on demand, the recording schedule still work when raid group is faulty, raid group supports online capacity expansion.
- Supports video buffering technologies, ensuring video data integrity.
- Uses the embedded Linux operating system that can run stably for 24/7 hours and is not vulnerable to attacks from hackers and viruses.

Multiple Intelligent Analysis

 Supports multiple intelligent analysis functions of Huawei intelligent cameras, such as intrusion detection, cross line detection, loitering detection, abandoned object detection, and removed object detection.

Easy Deployment and Maintenance

- No system disks, and available upon device startup.
- Hot-swappable hard disks
- Plug and play, automatic configuration
- Provides a status indicator for each disk, offering an intuitive view of disk status.

Recommended Fittings





- 3 TB monitoring-level hard disk
- 4 TB enterprise-level hard disk
- 6 TB enterprise-level hard disk
- 8 TB enterprise-level hard disk

| Product Model | VCN540-64 |
|---|--|
| Device performance | |
| Maximum video access channels | 64 channels |
| Video input bandwidth | 320 Mbit/s |
| Video forwarding | 128 channels |
| Video playback&download | 32 channels |
| Video output bandwidth | 320 Mbit/s |
| Video decoding | |
| Video format | H.264, H265, MJEPG |
| Decoding performance | 2-channel 3840 x 2160 (4K) or 8-channel 1080p or 16-channel 720p or a lower resolution |
| Preview modes | 1/4/8/9/16 panes |
| Platform performance | O to 40 VONE 40 CAs soon has dead over district a standing ground as |
| Stacking function | 2 to 16 VCN540-64s can be deployed in stacking modes Single-node system and stacked scenarios: 32 concurrent login users |
| Client | Single-node system: The LDU supports only one user at a time. |
| Storage capacity | |
| Disk quantity | 8 |
| Disk interface | Hot-swappable SATA3.0, built-in 3.5" ejector level Monitoring-level hard disk: 3 TB |
| Disk type | Enterprise-level hard disk: 4 TB or 6 TB or 8 TB |
| RAID level | non-RAID mode, RAID5 |
| Recording management | Support for manual recording, scheduled recording, and alarm-triggered |
| Recording mode | recording |
| Recording protection | Supports SafeVideo+ to protect data by channels or time |
| Query mode | Query by time or events |
| Download mode | Batch download, download by time segment |
| Security Media security | Supports multiple encryption algorithms such as AES256. |
| Watermark | Allows users to add digital watermarks on PU recordings and generates |
| Reliability | alarms when the watermarks are tampered with. |
| Dual-system | Supported |
| Media transmission | Supports self-adaptive bandwidth, FEC, SEC, and multicast |
| Cluster | N+0 cluster (three to eight VCN540-64s can be deployed in a cluster) that supports dynamic load balancing and full service migration upon a node fault |
| Data safe | Backs up key data and automatically restore service data. |
| Compatibility | |
| Device access Platform access | Supports access of devices that comply with the Huawei SDK, GB/T 28181, ONVIF 2.4, or ONVIF Profile S protocol, DHSDK. Supports connection to other platforms that comply with various protocols such as GB/T 28181 to implement diverse functions such as live video viewing, video on demand, PTZ control, and alarm reporting (the VCNEAL 64 acr, function poly, as a lower level domain). |
| Management and mainte | (the VCN540-64 can function only as a lower-level domain). |
| Management mode | Supports B/S, C/S management modes. |
| Log download External interface | Allows users to download operation and run logs. |
| Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, |
| | SSL, NTP HTTP |
| HDMI | 1 x HDMI 2.0, 1 x HDMI 1.4 |
| VGA | 1 x VGA |
| Network ports | 2 x 10/100/1000 Mbit/s Ethernet ports |
| USB | 1 x USB3.0 and 1 x USB2.0 |
| Audio input | 1 x BNC |
| Audio output | 1 x BNC |
| Alarm input Alarm output | 4 channels 2 channels |
| Others | |
| Support Protocol | TCP, UDP, IPv4, HTTPS, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP RTSP NTP HTTP |
| Operating temperature Operating humidity | 0°C to 45°C 5% to 95% (without condensation) |
| Power consumption (including disks) | <150 W |
| Power supply | 100 V AC to 240 V AC (50/60 Hz) |
| Dimensions (H x W x D) | |
| Cabinet | Dimensions (with mounting ears): 86.1 mm × 484 mm × 420.0 mm Standard 19-inch 2 U cabinet |
| | ≤14 kg (including 8 disks) |
| Certification | Toronto constitution of the state of the sta |
| China | Type inspection report issued by the Ministry of Public Security and T28181 CE, RoHS, REACH, WEEE, FCC, IC, NRTL, CCC, CQC, and |
| Outside China | certification by nine countries (Saudi Arabia, Kuwait, Nigeria, Botswana, |