# Huawei Video Cloud Node

## VCN500 Series

Combining Huawei's intelligent video surveillance software with proprietary storage technology, Huawei VCN500 is a customized all-in-one video surveillance product based on the video surveillance service requirements in the industry. VCN500 offers flexible and reliable video surveillance solutions which feature easy deployment, management, and maintenance.

## Features

- ➤ **Excellent performance and scalability**
  - 32 channels of network video access and the total input and output bandwidth is 160 Mbit/s.
  - Supports the single device mode, multiple devices in stacking mode, and modes that enable VCN500 to be connected with VCN3010 or VCN3020 together.

- ➤ **Strong reliability**
  - The advanced HDD earthquake-resistant technology reduces HDD failure rate.
  - Redundant fans ensure system running properly when a single fan is damaged, preventing system crash and HDD failure in batches.
  - Optional power supply redundancy effectively decreases the risks of service interruption and recording loss.
  - Enabling connections among internal components in shelf through high standard connectors.
  - Video buffering technologies ensure video data integrity.
  - Support cloud cluster, business switching to the rest of the device when any equipment failure.
  - The embedded Linux operating system is employed to ensure the system 7 * 24 stable running, protecting the system from virus, malware and hijacking attacks.

- ➤ **Intelligent analysis**
  - Huawei IPCs support accesses and linkages of intelligent analysis functions such as intrusion detection, tripwire detection, loitering detection, abandoned object detection, and removed detection.

- ➤ **Easy deployment and maintenance**
  - Tape reel transportation is supported, enabling device startup and play.
  - The indicator of single hard disk is supported so that users can quickly view the hard disk status.
  - Supports hot swap.

## Specifications

| Model | VCN500 | VCN500-R |
|---|---|---|
| Network video access | 32 | |
| Total input and output bandwidth | 160 Mbit/s | |
| HDD type | 12 SATA interfaces | |
| RAID mode | / | RAID5 |
| HDMI output | One HDMI interface, support 4-ch@1080P，8-ch@720P or 16-ch@D1 video output | |
| VGA output | One HDMI interface, support 4-ch@1080P，8-ch@720P or 16-ch@D1 video output | |
| Alarm input/output | 4/16 | |
| Network interface | 2 RJ45 10/100/1000Mbps self-adaptive Ethernet interfaces | |
| USB interface | 3×USB 2.0 | |
| Power supply | 100V AC to 240V AC, 50 Hz or 60 Hz | |
| Typical Power consumption | <40W (without HDD) | |
| Operating temperature | 5℃ to 45℃ | |
| Operating humidity | 5% to 90% (no condensation) | |
| Cabinet | 19 inch Standard 2U cabinet | |
| Dimensions (H x W x D) | 86.1*447*488mm | 86.1*447*520mm |
| Weight | ≤18KG (with HDD) | ≤20KG (with HDD) |