

PRO-SERIES VCMS-U

Network Video Recorder Content management System



Key Features

- **Stability:** Linux OS, dual-BIOS, redundant power, two-server hot standby
- **Compatibility:** Third-party IP Cameras supported with standard ONVIF
- **Access:** Browser/Server, Client/Server and mobile clients (both iOS and Android)
- **Connection:** 1000 device connections, up to 2000 channels of high-definition network videos
- **Management:** Unified management of IPC, NVR, face recognition terminal, decoder, network keyboard, cloud devices, alarm control
- **Panel and door access control,** support devices' configuration import/export
- **Storage:** Max 16 hard disks and 2 disk enclosures; expandable up to 48 disks with 672TB storage, recording backup, IPSAN storage
- **Decoding:** Max 16×1080P decoding outputs in three screens, expandable up to 112×1080P in 15 screens with 2 decoding cards inserted
- **Service:** Live view, playback, sequence, video wall, GIS map, two-way audio, and alarm plan
- **Reliability:** Support of HTTPS, 802.1x authentication, ARP protection, Telnet enabling/disabling, network fault tolerance, multi-IP
- **Configuration,** load balancing, secure password and IP address filtering
- **Operation and maintenance:** Provide a comprehensive management dashboard, server status, device/channel online/offline status,
- **HDD status,** online users, bandwidth usage, packet loss rate, log query

VIDEO	
Number Of Connected Cameras Per Server	1000 devices or 2000 channels 1000 devices connected via Onvif
Number Of Connected Face Recognition Terminals	128
Image Processing Performance	Receive vehicle or face images: 100 images per second Note: For example, if each device uploads 1 image per second, then 100 devices can be connected; if each device uploads 5 images per second, then 20 devices can be connected
Device Management	IPC, NVR, face recognition terminal, decoder(standard/expanded), network keyboard, cloud devices, alarm control panel and door access control
Number of 3rd-Party Alarm Control Panels/ Access Control Devices	30
Numbers of Users	1000
Numbers of Online Users	300
Numbers of Roles Per User	16
Bandwidth of Video Input Per Server	512Mbps
Bandwidth of Video Output Per Server	384Mbps
DECODING	
Video Compression	Ultra265, H.265, H.264
Decoding	4×4K@30, 16×1080p@30, 36×720p@30, 64×D1
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/960H/D1/2CIF/CIF/QCIF
Display On Video Wall	HDMI(×2) and VGA(×1) output; HDMI output supports 4K resolution
Audio Compression	G.711A, G.711μ
Decoding Card (Optional)	Max 2 cards supported; models: HDMI4-C and HDMI6-C
HDMI4-C decoding card	4-ch HDMI outputs, with decoding of 4*4K@60 or 8*4K@30 or 32*1080P@30 or 64*720P@30
HDMI6-C decoding card	6-ch HDMI outputs, with decoding of 6*4K@60 or 12*4K@30 or 48*1080P@30 or 96*720P@30
STORAGE	
HDD installation	Hot-swappable HDDs / Support 16HDDs (3.5", up to 14TB for each)
RAID mode	RAID0, RAID1, RAID5,RAID6,RAID10,RAID50,RAID60
Performance of video storage per server	512Mbps/ 256 channels
Disk enclosure (optional)	Max 2 disk enclosures supported; models: DEU1008 and DEU1016
DEU1008 disk enclosure	8xSATA interfaces, up to 14TB storage per interface

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DEU1016 disk enclosure	16xSATA interfaces, up to 14TB storage per interface
Play Control	1 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 13 / 16 / 17 / 25 / 32 / 36 / 64 window display Corridor format Up to 3 auxiliary monitors
Playback	Play NVR recordings Up to 24 channels for multiple clients; synchronous playback up to 16 channels for single client
DATA INFO	
Alarm Records	200,000
Operation Logs	200,000
Face Capture Records	3 million
Face Alarm Records	3 million
Vehicle Pass-Through Records	3 million
Structured Motor Vehicle, Non-Motor Vehicle And Pedestrian Records	3 million
Access Control Entry/Exit Records	3 million
Alarm Processing Capacity	100/s
Main Processor	Intel(R) CPU
Memory	4GB DDR3L
Power Supply	100-240 VAC (with power on/off switch) Dual-power redundancy
Network	4x10M/100M/1000M Base-T adaptive Ethernet interfaces 2x1000M SFP optical interfaces
USB	4xUSB3.0
HDMI	2xHDMI
VGA	1xVGA
Serial	1xRS-232 (RJ45), 1xRS-485 (RJ45)
Alarm Input/Output	24xalarm inputs, 8xalarm outputs
Power Output	12 V DC
Audio Alarm	Buzzer
Expansion	1xeSATA interface 2xmini SAS interfaces 2xdecoding cards
GENERAL	
Power Consumption	≤ 50W (not including HDD) ≤ 165W (including HDD)
Operating Temperature	-10°C to 55°C (14°F to 131°F)

Operating Humidity	10% to 90% (non condensing)
Weight	≤ 10.0 Kg
Dimensions (D×W×H)	Height: 3U, mounting in standard 19" cabinet 477.1 mm × 481.6 mm × 130.5 mm (18.8"×19"×5.1") (including front panel)

Dimensions

