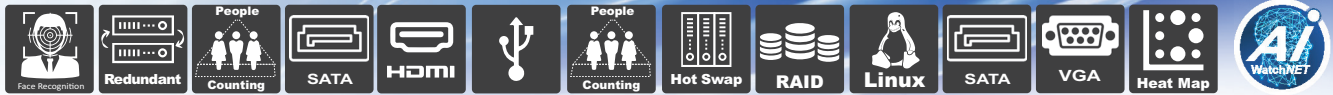


VMS-2000-V2

## A Powerful Surveillance System



### Introduction:

VMS-2000-V2 is a powerful surveillance system preloaded with Linux-optimized VMS Pro software, which has high performance and scalability. It supports up to 2000 network cameras and extend the devices by distribution. And it supports 3.5" chassis with up to 15 hot plug hard drives for center storage which provides a very powerful all-in-one solution for projects.

### Features:

- Easy Expansion
  - 3.5" chassis with up to 15 hot-swapping hard drives and extends storage through iSCSI.
  - Up to 1,000 video channels per server and the number can be larger with distributed deployment.
- High Reliability
  - Redundant power option makes the system more stable.
  - Hot standby application of two servers ensures 7 x 24h stable operation.
  - N+M distributed deployment ensures 7 x 24h stable operation.
- High Compatibility
  - WatchNET devices: Network camera, network speed dome, decoder, NVR, DVR, ANPR, access control device, VDP, and alarm controller.
  - Connect third-party devices through standard ONVIF protocol

# VMS-PRO

Enterprise Class VMS Solution

# ONVIF

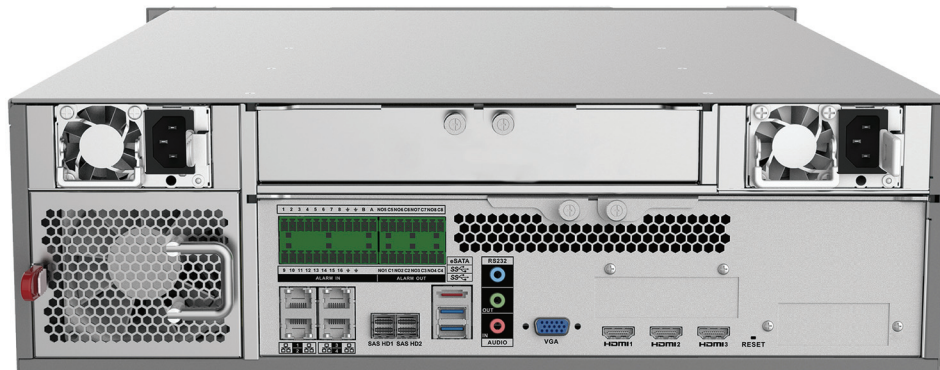


<b>Recommended</b>	
CPU	Intel Core i5, 64 bits 4 Core Processor
Memory	8 GB
Graphics Card	NVIDIA® GeForce®GT 730
Hard Drive Capacity	200 GB free for WatchNET Control Client
Ethernet Port	1000 Mbps
<b>Minimum</b>	
CPU	Intel Core i3, 64 bits 4 Core Processor
Memory	4 GB
Graphics Card	Intel® HD Graphics 4400
Hard Drive Capacity	100 GB free for WatchNET Control Client
Ethernet Port	1000 Mbps
<b>Hardware for Mobile Client</b>	
iPhone	iPhone 5S and above
Android	Resolution: 1280 x 720 and above RAM: 3 GB and above
<b>System</b>	
Main Processor	Intel i5-6600, 64 bits 4 Core Processor
Operating System	Embedded Linux
Memory	8 GB
Motherboard	Embedded board (7 x 24 operation)
Hard Disk Hot swap	Support hot swap and online replacement
Hard Disk Compatibility	SAS/SATA disk
<b>Interface</b>	
Number of Network Ports	4 Ethernet ports (100/1000 Mbps)
RS-485	Reserved
RS-232	Reserved
USB	2 x USB 2.0 on front panel; 2 x USB 3.0 on rear panel
HDMI	3 HDMI ports
VGA	1 VGA port
<b>Storage</b>	
HDD Installation	Support 15 HDDs (3.5") for video or picture storage (8 TB per HDD)
Storage	Up to 200 TB per server
HDD Mode	Single; raid 0/1/5/6/10
Bandwidth of Video Storage per Server	600 Mbps
<b>Other</b>	
Power	Maximum power 315W; stable power 210W
Working Environment Temperature	0°C to 40°C (32°F to 104°F)
Working Environment Humidity	10%–80% (RH) (non-condensation)
Storage Environment Temperature	-20°C to +70°C (-4°F to +158°F)
Storage Environment Humidity	5%–90% (RH) (non-condensation)
Working Altitude	0m–5000m (0ft–16,404.2ft)
Weight (Without Package)	19.1kg (42.1lb)
Dimension	444.8 mm x 133.2 mm x 522.2 mm (17.5" x 5.24" x 20.6")
Installation Method	Standard 19-inch rack mount
Secondary Development	Platform SDK provided

<b>Organization, User and Role</b>	
Organization	10 hierarchies, 999 organizations per hierarchy
Role (User Permission)	100
User	50 online users and 200 total users
User for VDP Mobile APP	500 online users and 5,000 total users
<b>Performance Specification</b>	
Performance Specification	
<b>Total Device</b>	
Total Device	2,000 devices
<b>Video Device and Channel</b>	
Total Video Device and Channel	500 devices; 1,000 channels
Auto-Register	500 devices; 1,000 channels
ONVIF	200 devices; 400 channels
ANPR Device	64 channels (6 pairs for entrance and exit)
Face Recognition Channel	100 channels
Object Detection Channel	20 channels
Heatmap Channel	64 channels
People Counting Channel	100 channels
<b>ACS Device</b>	
Access Control	200 IPs; 512 Doors
VDP	2,000 IPs (Unit VTO no more than 200)
<b>Alarm Device</b>	
Alarm Controller	10 IPs; 100 channels
<b>Media Transmission Server</b>	
Video Input per Server	600 Mbps
Video Output per Server	600 Mbps
<b>Playback and Download</b>	
Playback Bandwidth per Server	100 Mbps
Download Task	5
Maximum Record Plan	100
<b>Alarm</b>	
Alarm Rules	200
<b>Map</b>	
Hierarchy	8 hierarchies
Submap	32 per hierarchy
Map Size of Raster Map	14.7 MB
Spots per Map (e.g. Camera Alarm Input)	Up to 300 (GIS and Raster)
<b>Face Recognition</b>	
Face Library	50
Total Persons for Face Library	5,000
Face Images Imported Each Time	1,000
<b>ANPR</b>	
Vehicle Blocklist	100

<b>Data Information</b>	
Alarm Records	5,000,000 <sup>1</sup>
Face Snapshot Records	5,000,000 <sup>1</sup>
Number Plate Recognition Records	5,000,000 <sup>1</sup>
Violation Records	5,000,000 <sup>1</sup>
Average Speed Records	5,000,000 <sup>1</sup>
People Counting Records	5,000,000 <sup>1</sup>
Heatmap Records	5,000,000 <sup>1</sup>
Video Intercom Records	5,000,000 <sup>1</sup>
Log	5,000,000 <sup>1</sup>
<b>Personnel Management</b>	
Person	5,000
Card	5,000
Face	5,000
Fingerprint	5,000
Total Event	240 per second <sup>2</sup>
<b>Event without Picture</b>	
Alarm without Picture	240 per second <sup>2</sup>
Alarm Controller Event	40 per second <sup>2</sup>
Access Control Event	16 per second <sup>2</sup>
Total Event	240 per second <sup>2</sup>
<b>Event with Picture (for ANPR)</b>	
ANPR	12 per second (12 per 3 s for entrance and exit ) <sup>2</sup>
<b>Event with Picture (for others)</b>	
Alarm with Picture	40 per second <sup>2</sup>
Face Capture	120 per second <sup>2</sup>
Object Detection	40 per second <sup>2</sup>
<b>Distributed System</b>	
<b>Total Device Number</b>	
Total Device Number	5,000 devices
<b>Video Device and Channel</b>	
Total Number of Video Devices and Channels	2,500 devices; 5,000 channels
Auto-register	2,500 devices; 5,000 channels
ONVIF	400 devices; 800 channels
ANPR Device	320 channels
Face Recognition Channel	500 channels
Object Detection Channel	100 channels
Heatmap Channel	320 channels
People Counting Channel	500 channels
<b>ACS Device</b>	
Access Control	500 IPs; 2,500 doors
<b>Event</b>	
Total Event	480 per second <sup>2</sup>

Event without Picture	
Alarm without Picture	480 per second <sup>2</sup>
Access Control Event	96 per second <sup>2</sup>
Event with Picture (for ANPR)	
Alarm with Picture	120 per second <sup>2</sup>
Face Capture	280 per second <sup>2</sup>
Object Detection	80 per second <sup>2</sup>



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Rev. January 20, 2023

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