

# VKD-CENTER2

## General Surveillance Management Center



### Introduction

VKD-CENTER2 is an all-in-one server that is composed of Dahua's video management system (VMS), center storage, Operating System and hardware. It is easy to deploy and operate.

VKD-CENTER2 provides the best level of support while maintaining an easy-to-use interface for operators and technicians. Features include: user rights management, device management, alarm management, center storage, TV wall, 2-way audio talk, and other advanced features. Some of the advanced feature support includes: POS Integration with data sync and Intelligent video analysis to aid in event identification (Tripwire, Intrusion, Object Abandonment, Object Missing, People Counting, etc.) and E-Map

### Features

#### System Stability

- Embedded Linux System, C/S Architecture
- Support 7\*24 stable operation
- Support distribute and cascade deployment
- Support hot standby for master server
- Support N+M hot standby for slave server

#### High Compatibility

- All Dahua's devices included: network camera, network speed dome, NVR, DVR, MDVR, ITC, Access control, VDP, etc.
- Connect third-party devices via standard ONVIF protocol
- Offer the platform SDK for third-party platform or mobile phone do further development

#### High Flexibility and Scability

- Up to 20 slave server can be managed per master server
- Support up to 5-level cascade
- Support unlimited accounts management, 50 online users and 100 roles
- Support 256 IP devices and 256 channels
- Support 200 devices to auto-Register
- Support 50 Onvif devices
- Support Mobile Surveillance functions models via apply the corresponding License

### Main Functions

- Manage the devices and users for the different organization
- Assign different camera range, active period and business modules for different user
- Support backup record
- Support edge storage
- Support for specifying a storage disk group for cameras
- Set the different scheme for different events (include intelligent video analysis events), record and view all event history information
- 32-bit/64-bit client.
- Live view, PTZ control, snapshot, instant playback, customized layout
- Playback the records from the front end devices or center
- Normal ,Motion, Alarm, IVS and POS playback
- Support up to 16 channels sync playback
- Lock and mark the important records for center storage
- Smart search can find the motion information in assigned region quickly
- Fisheye Dewarping whether live view or playback
- Push the real-time video, alarm linkage video and playback video to the TV Wall
- Statistic people counting and heat map data, export report
- View and query the POS transaction information, playback the related video
- Support Heat Map
- Support GIS map(Google, RasterMap)
- Support Yahoo,Gmail,Hotmail
- Support Chinese, English, Spanish, Arabic, Turkish
- Support Onvif standard protocol connection

### Mobile Module Functions

- Support adding IPC, MDVR, MNVR, MPT300 etc. mobile device by WIFI or 3G/4G network
- Support displaying GPS, speed, direction of mobile device
- Support showing device's real-time location, playback device's history location
- Support alarm of over-speed, entering and leaving the E-FENCE
- Support MPT300 group intercom
- Support violation search of MPT300
- Support statistical report of GPS abnormal, over-speed, e-fence, alarm, device state

### Performance Specification

#### System

Main Processor	64 bit 4 core CPU
Operating System	Embedded Linux
Memory	4GB
Chassis	1.0mm SGCC steel plate

#### Interface

Network Port	4 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
RS232	Reserved
RS485	Reserved(reusable with alarm port)
Alarm input/output	Reserved(reusable with alarm port)
USB Port	Front panel: 2× USB 3.0, Rear panel: 2 × USB 2.0
HDMI	2 HDMI, one as network config, another as spare
VGA	1 VGA, as network config
HDD Installation	Built-in 1× 1T HDD disk (2.5") for system Support 3HDD disks (2.5") for Video & Picture storage

### Video Management

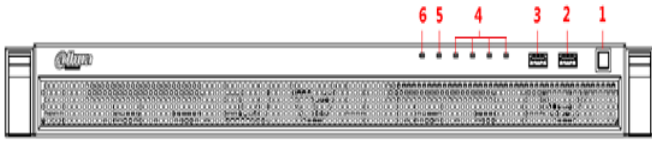
Number of Connected Cameras Per Server	256 IP devices and 256 channels
Onvif Device	50
Auto-Register	200
Mobile DVR Device	50IP, 200channels
Clients Per System	50 Online Users
Numbers of Users	Unlimited
Numbers of Roles	100
Bandwidth of Video Input per Server	300 Mbps
Bandwidth of Video Output per Server	300 Mbps
Bandwidth of Video Storage per Server	100 Mbps
Alarm Inputs	20 Alarms per second(all types)

### Other

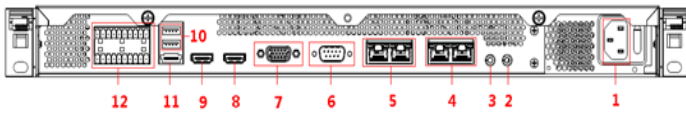
Power	100V ~ 240V, 47 ~ 63Hz
Consumption	35W ~ 50W (with HDD)
Working Environment Temperature	0 C ~ 50 C
Working Environment Humidity	5%~90% (non-condensation)
Storage Environment Temperature	-20 C ~ +70 C
Storage Environment Humidity	5% ~ 90% (non-condensation)
Working Altitude	-60m ~ 3000m
Weight (Without Package)	4.5Kg
Dimension	1U, 440mm×398.6mm×43.6 mm
Installation Method	Standard 19" rack installation

# VKD-CENTER2

## Physical Interface



- 1- Power Button
- 2- USB 3.0
- 3- USB 3.0
- 4- HDD Status
- 5- Alarm Indicator
- 6- Network Indicator



- 1- Power Interface
- 2- Audio Output
- 3- Audio Input
- 4- Ethernet Port 1~2
- 5- Ethernet Port 3~4
- 6- RS232 Interconnects
- 7- Video VGA Output
- 8- HDMI1
- 9- HDMI2
- 10- USB2.0x2
- 11- eSATA Interface
- 12- Alarm In & Out

## Dimensions (mm)

