

# ***DMS SERVER & DMS CLIENT V2.1 Specification Sheet!***



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## I. Features

### **DMS Server:**

- **Application Platform:**  
The application based on C# & C++, support seamless integration of third-party applications.
  - **View camera mode:**  
Establish flexible view. Support displays mode on many different screens: main view, live view, map, consecutively view, view tour, preset sequence, tour,...
  - **Expand camera IP:**  
Support unlimited quantities of IP camera and many kind of DVR brand.  
Mange up to 64 cameras on a single server.
  - **Support ONVIF/ RTSP:**  
Compatible all camera and DVRs with standardized Onvif/ RTSP.
  - **Optimize storage capacity:**  
Support SAS, bidirectional 192kbps bandwidth interface, ensuring scalability storage systems.  
Record in load balancing hard drives mode.
  - **Video Encryption Technology:**  
Support MJPEG, MJPEG4, JPEG, H.264...
  - **Stream video:**  
Main and sub stream.
  - **License:**  
Free trial or licensed by the quantity of Camera connected and time period
  - **Access mode:**  
Full access with admin mode and limited access with client mode.
  - **Install and upgrade easily**  
Quick install with one click, can remove or upgrade some app then
  - **Alarm systems:**  
Alarm camera error can't recording video.  
Send message alarm to mobile phone (option).  
Intergrated with some alarm available on camera (option).  
Analyze and display alarm information real time such as alarm type, date, location on map, image, speakers, location of camera.
  - **Language Support :**  
English/others languages.

### **DMS Client:**

- **Digital maps:**  
Connect the camera system with digital maps, provide the managers overview of the image and the position of each camera.
- **Analyze images and Alarm systems:**  
Analyze and alarm by speaker, image or icon when detected object moving, crowd gathered, smoke.  
Display alarm information such as alarm type, date, location on map, image, location of camera.
- **Connect to Server:**  
Unlimited quantity of camera connected. Up to 61server.  
Connect to server very quickly, allows select one each camera to view
- **Live view and recode:**  
Allows live and recode / playback up to 100 camera in the same time without take internet bandwidth  
Connect to view camera quickly, even in weak signal environment
- **Video Encryption Technology:**  
Support MJPEG, MJPEG4, JPEG, H.264...
- **Export to screen**  
Export to multiple screens to view with many flexibility mode
- **Access to server:**  
Easily for monitor and data access. Allows many clients to access in the same time.  
Capture image from any camera and allow saved to Disk/Server.
- **Language Support :**  
English/others language.

## II. Specifications

### **DMS Server:**

- **Centralized management camera system:**  
Support IP cameras and DVRs are produced by almost all manufactures.
- **Search and live view Camera:**  
Auto search camera during configuration
- Quantity of cameras which live view on one screen up to 64
- **PTZ Control**  
Setup point, Patterns, zoom...
- **View camera with flexible mode:**  
Custom the setup for live view.
- Drag and drop camera to windows which you like  
Allow you to select the screen to display camera, live view, zoom out and zoom in images
- **Integrated control camera by the keyboard, joystick...**
- **Analyze images and identification**  
Alarm feature, detects moving objects  
Customize the detection, object tracking, the existence and object infringement  
Analyze motion detection  
Analyze Crossline  
Analyze enters and leave area  
the software systems can share data for other units.  
Used I.O control, export Alarm signal to loud speaker, the traffic light, Led advert...
- **Digital maps:**  
Connect the camera system with digital maps, provide the managers overview of the image and the position of each camera.
- **Access to server:**  
Easily for monitor and data access. Allows many clients to access in the same time to remote playback, view.  
Allows one client can access many server to remote playback, view.

- **Recording mode:**

Set the recording mode for the camera such as quiet mode, detect motion mode

Allows select the independent recording modes: continuous recording, recording when motion is detected, recording which the events were preset. Recording on internal hard disk driver or storage device (NAS, DAS, HDD server)

Capture image from any camera and allow saved to Disk/Server

- **Playback:**

Review multiple cameras by time period selected  
Customize playback fast, slow with multiple levels  
Remote playback  
Access and save data.

- **Export to screen**

Export to multiple screens to view with many flexibility mode

### **DMS Client:**

- **Digital map:**

Show the exact location of each camera on the map.

Find the location of camera by one click on the camera.

Allow input map data about address of Police, hospitals, location of each camera,... on the Map.

Zoom map, find the shortest path

- **Connect to server:**

Connected to 61 server at the same

- **Export screen**

Export to multiple screens to view.

Export to Screen mode flexibility, easy observing, and tracking

- **View, playback and arrange camera:**

View camera by layout: 1, 4, 6, 16...100, drag and drop to windows

Review multiple cameras by time period selected  
Access and save data, search video recorded by camera, record time.

- **PTZ Control:**

Setup point, Patterns, zoom...  
Joystick Control.

### III. System Requirement

#### General requirements

- **DMS Server & Client:**

Running on a PC or Server platform using the Windows 7.8.10 or Windows Server 2003/2008/2012

- **Camera IP:**

Onvif standard

- **DVR:**

Support RTSP standard

- **Manufacturers:**

Support almost all the IP/Analog cameras such as: HDVision, Hikvision, HDPParagon, Dahua, Sony, Axis, Vivotek, Dlink, TPLink, Lilin, Panasonic, LG, Samsun, AVTECH, Geovision, Jetview, Icamview...

- **Screens:**

FULL HD resolution  
HDMI, USB port

- **Security:**

Authentication login with the username / password.  
Encrypt username / password for transmitted over the internet, to confirm logged between client and server. To prevent stolen information when transmitted over the network.

User rights: See, review, control, configuration.

Limited access for one each user: monitor, control, playback, configuration

#### DMS Server:

- **System requirement reference for DMS Server**

01 x Intel® Xeon® E5-2630v3 (2.4GHz/8-core).  
Minimum 32 GB RAM  
Full support Advanced ECC technology with multi-bit error protection, Online spare mode  
05 x 1TB SAS 2.5in SC MDL  
2 x 120G SSD  
Integrated 6Gb/s SATA controller, RAID controller 0/1/10/5  
card RAID PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring, minimum cache 2GB.  
card RAID Support with 4GB memory  
4-port Ethernet 1Gb  
AC Power 02 x 500W Hot Plug and Redundant Power Supply  
Window server 2012.

#### DMS Client:

- **System requirement reference for DMS Client:**

CPU I7 4790, chipset Intel, Gigabit LAN networking, DRAM-3 08 GB, HDD 01 TB WD blue (7.200 rpm), Windows7, 64 bit, keyboard + mouse optical

- **Dedicated Graphic card, used split images**

CUDA core 1664.  
DDR5 – 04 GB (4.096 MB) – 256 bit.  
Dual DVI/ HDMI/ 3x display port.  
GPU PhysX – GPU Tweak, Direct x12 and 3D Vision Ready, DirectCU II - VGA Hotwire.

#### IV. Expand and upgrade

- **Upgrade image processing and analysis features**
  - Analysis face recognition in black list or white list.
  - Analysis vehicles number plate
  - Analysis restricted areas.
  - Analyze intrusion action
  - Analysis detect traffic violations: a red light, driving the bar staff, running the wrong lane, driving in the opposite, running at restricted roads
- **Built-in mobile camera**
  - Having the ability to integrate mobile devices handheld camera on the software system
- **Open communication standards and connect to share pictures:**
  - Can integrate to share information to other center

#### V. Contact

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