

Code: DSS7016D-S2

## OBJECT PROTECTION SYSTEM MANAGEMENT SERVER **DSS7016D-S2** DAHUA

The DSS7016D-S2 security system management server is a device enabling centralized management of surveillance and access control systems. The server allows to use the capabilities of cameras connected to it, recorders, access controllers and video doorphones.

Integration with the surveillance system, allows to operate up to 2000 video channels - regardless of whether the source are DVRs or IP cameras. The server allows to view video from cameras in real time, as well as store and playback recordings. In addition, the device supports advanced image analysis functions such as face recognition and the ANPR vehicle identification.

Central database management allows free transfer of a database of recognized people between all devices offering face recognition functionality in the system. In a similar way, the database of recognized vehicles is managed. In addition, if more than one camera supporting the ANPR recognition of vehicles on a stretch of road is used, the system allows sectional speed measurements of vehicle.

The server enables cooperation with POS terminals and assigning the image from the camera to transactions concluded with the help of a specific terminal.

Advanced integration with mobile recorders allows to automatically archive recordings when the DVR is available in the local Wi-Fi network, or if the DVR has a permanent connection to the Internet via a mobile network. In the second case, it is also possible to track the route of the vehicle.

The device works with video wall controllers and external disk arrays, it is also compatible with the NKB series control keyboards.

The server also allows to manage the access control system including the IP video doorphones of the VTO series, VTH internal panels, ASC controllers and VTS guard stations. In addition to device management, the server also allows to centrally manage the users, user groups, and access zones. The management center supports all the user identification methods that can be found in the DAHUA devices, thanks to which it is possible to recognize the user by: face recognition, fingerprint, PIN code and card or RFID key-fob. The system also supports advanced functions of the transition control, such as Anti-passback, remote door opening, leaving the door open, unlocking in the presence of more than one user, remote access verification. The device can also function as a SIP server. The server supports voice calls between internal panels, voice group calls, redirection of a video call from a door station to a guard station and redirection of a video call to a mobile phone.

The server also has basic functions enabling integration with the alarm system. Additionally, it is possible to place markers on the map of the object for individual cameras, alarm inputs and doors. Thanks to this, when the alarm is triggered, the place of calling it is marked on the map.

It is possible to use more than one DSS7016D-S2 server in the system. The design of the system allows cascading devices - one MASTER server is able to manage up to 20 SLAVE servers, and the entire system can have a maximum of 5 levels. In addition to being able to cascade, the servers are also adapted for redundant work in the Hot Standby system - both in a ratio of 1:1 (one spare device per working server), and 1:n (apart from servers running in normal mode, the system has one or more spare devices that can be used in the event of any server failure). The Hot Standby system is characterized by the parallel operation of the main and redundant device, so that in the event of a failure, the spare server is ready for immediate takeover of tasks without noticeable breaks in the operation of the entire system.

The combination of all the above functions allows to create a simple and intuitive to use center, enabling remote management of almost every aspect accompanying the maximum security of the protected facility.





# DATA SHEET

Standard:	TCP/IP
Supported resolutions:	max. 12 Mpx - 4000 x 3000 px
Number of video channels:	max. 2000
Video outputs:	<ul style="list-style-type: none"><li>• 3 pcs HDMI</li><li>• 1 pcs VGA</li></ul>
Audio inputs:	1 pcs Microphone - Jack 3.5 mm socket
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Supported hard drives:	<ul style="list-style-type: none"><li>• 15 x 10 TB SATA III,</li><li>• Cooperation with the DAHUA disk arrays of the ESS series</li></ul> <p>Maximum supported total disk space : 200 TB</p> <p>Possibility of operation the disks in RAID 0/1/5/6/10 array</p>
Searching and playback the records:	Records searching: by time and events type. Records playback: forward, backward, fast, slow "Frame by Frame" playback function
Network interface:	4 x 10/100/1000 Base-T
Bitrate:	max. 700 Mbps
Network functions:	Full support via network, Remote records copying, Web Server built-in max. 200 on-line users
Mobile phones support:	✓
Default IP address:	192.168.1.108
Default admin user / password:	admin / - The administrator password should be set at the first start
Web browser access ports:	80, 37777
PC client access ports:	37777
Alarm inputs / outputs:	4 / 2
PTZ control:	IP Speed Dome Cameras, RS-485
<b>RS-485:</b>	✓
RS-232:	✓
Motion Detection:	✓
Intelligent image analysis:	✓
Mouse support:	✓
ANPR:	max. 64 cameras
Face recognition:	max. 64 cameras

Main features:	<ul style="list-style-type: none"> <li>• Cooperation with DAHUA recorders</li> <li>• IP Dahua cameras support</li> <li>• Cooperation with POS (Point of Sale) terminals - max. 64 devices</li> <li>• Cooperation with the DAHUA access control systems - support max. 256 doors</li> <li>• Cooperation with the DAHUA IP video doorphone systems :             <ul style="list-style-type: none"> <li>- Voice calls between the VTH series internal panels and the system management center</li> <li>- Video calls between door stations of the VTO series and the system management center</li> <li>- Work as a SIP server</li> <li>- Group connection with the VTH internal panels and devices compliant with the SIP protocol</li> <li>- Redirecting a video call to mobile phone</li> </ul> </li> <li>• Automatic search for cooperating devices in the local network</li> <li>• Support for devices with the ANPR vehicle identification functions and face recognition</li> <li>• Sectional speed measurement (requires several ANPR cameras on the road section)</li> <li>• The ability to track the person's location based on the face recognition function</li> <li>• Central management of the access control system :             <ul style="list-style-type: none"> <li>- Adding, deleting and editing users</li> <li>- Change of permissions of individual users and groups of users</li> <li>- Change of access to individual zones</li> <li>- Monitoring the status of individual doors</li> <li>- Central database management, updating and sharing the database between all system devices - It applies both to the classic databases of users of the access control system as well as to the bases of identified faces and vehicles</li> </ul> </li> <li>• Advanced functions of the transition control :             <ul style="list-style-type: none"> <li>- Anti-passback</li> <li>- Remote opening of the door</li> <li>- Leaving the door open after the first access</li> <li>- Unlocking the transition only when more than one user is present</li> <li>- Remote access verification</li> </ul> </li> <li>• Cooperation with the MNVR mobile recorders :             <ul style="list-style-type: none"> <li>- Archiving recordings from the mobile recorder using the local Wi-Fi network</li> <li>- Archiving the route covered by the vehicle with a mobile recorder</li> <li>- Access to the image recorded by the mobile recorder in real time (the recorder must have an Internet connection and a fixed IP address)</li> </ul> </li> <li>• Emap function - possibility to mark the location of system elements on the map of the object :             <ul style="list-style-type: none"> <li>- The use of Google Maps</li> <li>- When an alarm is triggered, the element that initiated the alarm is marked on the map</li> <li>- Access to preview images from cameras and archived recordings from the map level</li> <li>- The camera's field of view can be marked on the map</li> <li>- Ability to roughly determine the route covered by a person based on face recognition function (required devices supporting face recognition functions)</li> <li>- Ability to roughly determine the vehicle route based on ANPR recognition (required cameras supporting this function)</li> </ul> </li> <li>• Cooperation with the wall of monitors</li> <li>• Cooperation with the controllers of the NKB series</li> <li>• Integration with the alarm system :             <ul style="list-style-type: none"> <li>- Signaling of events registered on the server by alarm outputs</li> <li>- Setting the system arming schedules</li> <li>- Calling up the action after receiving the signal from the alarm control panel</li> <li>- Transmission of information about the triggered alarm to selected users</li> </ul> </li> <li>• Intelligent image analysis : Intelligent Object Tracking, people counting, heat map</li> <li>• Possibility to connecting in cascade - max. 5 levels, max. 20 devices</li> <li>• The possibility of redundant work</li> </ul>
Power supply:	100 ... 240 V AC
Weight:	19.1 kg
Dimensions:	445 x 522 x 133 mm - RACK 19", 3U
Supported languages:	English



## DATA SHEET

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Country of origin:	China
Manufacturer / Brand:	DAHUA
Guarantee:	<b>5 years</b>