



Which DSS is Right For Me?

Dahua's DSS (Digital Surveillance System) is an all-in-one Central Management System (CMS) / Video Management System (VMS) that encompasses a wide range of features and functions within video surveillance. It manages IP cameras and recorders and is able to connect to third-party cameras via the standard ONVIF protocol. Here, we will discuss the differences between the different Digital Surveillance Systems and help you decide which one is best for your application.

Why You Need a DSS

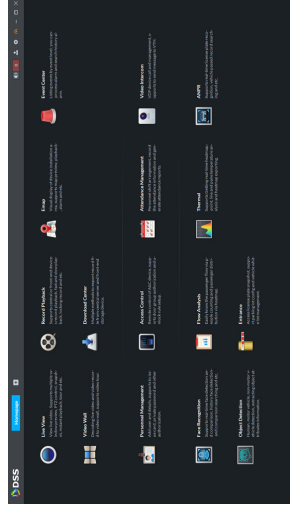
If you're an IT manager or system integrator, a DSS is a valuable central portal to manage all your video surveillance channels and devices. This includes NVRs, DVRs, IP cameras, thermal cameras, facial recognition cameras, PTZs, access control devices, intercoms, and video wall devices. Unlike other brands, there is no license fee to use the Dahua DSS.

To set up the DSS and to add devices to the system, you will need to follow basic networking protocols (or refer to the Dahua Wiki) to do things like add IP addresses, set up user permissions, and port-forward. Once the devices have been added, the interface is very user-friendly to navigate. Just a few clicks will give you live views and recorded playback. A thumbnail search function lets you quickly identify and search for video clips.

Which DSS to Choose

DSS Express is a free, software-only DSS that supports up to 256 channels. Because it allows only one client to manage the devices, it's best for residential and SMB applications. Another option for DSS Express is the DHI-DSS4004-S2 hardware system that supports up to 512 channels.

DSS Pro is the solution for managing multiple locations, like retail chains and law enforcement or transportation environments. It is a hardware system preloaded with Linux-based software. It manages up to 2000 channels and 512 devices per server, scalable so you can add multiple systems as your needs expand. Multiple users can use DSS Pro and multiple levels of permissions can be applied.




The Benefits of Linux-Based DSS Pro

Linux-based DSS Pro (DHI-DSS7016DR-S2) has room for expandable video storage, with fifteen hot, pluggable hard drives via iSCSI with support up to 200TB. If that's not enough storage, you can add an additional Dahua Enterprise Video Storage (EVS) device to the DSS system.

Linux-based DSS Pro supports a greater number of facial recognition cameras than DSS Express, and supports License Plate Capture (LPC) cameras as well.



DSS Family Feature Comparison

Function	DSS7016DR-S2	DSS4004-S2 (Express)	DSS Express S
			
Cost	\$\$\$\$	\$\$	Free
Video Channel	2000 per server	512	256
Deployment	Distribute	Single Server	Single Server
Central Storage	Fifteen 3.5" HDD Slots for Video Storage	Three 2.5" HDD Slots for Video Storage	No
EVS Video Storage Support	Direct & iSCSI	Direct & iSCSI	No
Bandwidth per server (Mbps) Video forwarding, Video recording	700/700	350/150	N/A
Clients per system	200 Simultaneous	100 Simultaneous	1
Mobile App	Yes	Yes	No
Facial Recognition Cameras	64	32	2
LPC Cameras	64	32	No
Access Control Controllers & Doors	200 IPs and 1024 doors as main server 500 IPs and 2500 doors as slave server	100 IPs/512 Doors	64 IPs/256 Doors
Intercom VTO/Intercom VTH	2000 VTH, 200 VTO as main server 5000 VTH, 500 VTO as slave server	100 VTO/1000 VTH	64 VTO/256 VTH
Install Client on Multiple PCs	Yes	Yes	No