

DSS Express V8.1.1

Video Management System



- Integrates All Management Functions into One Client
- · Allows Device Initialization and Management
- Live Video Playback from Edge Device
- Supports Access Control and Video Intercom Integration
- Configure Video Wall Layout and Scheme
- Offers Fisheye Camera Dewarping on Live View

System Overview

DSS Express is a flexible Dahua VMS for scalable, reliable and powerful central management. DSS Express provides central management, information sharing, convenient connections, and multi-service cooperation. The software supports up to 256 cameras with a license. DSS Express integrates with access control devices, video intercom terminals and offers analytic functions such as object detection.

Functions

Compatibility

DSS Express V8 is compatible with all Dahua IP-enabled devices: network cameras, NVRs, DVRs, video intercom devices, and access control devices.

Fisheye Camera Support

The software features full support for Dahua Fisheye cameras. The software supports options for the Fisheye camera installation and offers dewarp modes. Dewarping solves the problem of distortion in the circular panoramic view in both live or playback modes.

Access Control and Video Intercom

DSS Express V8 offers full support and integration for access control and video intercom products to support a complete security and surveillance system. The server monitors door status and events, manages access rights, and support advanced rules management. In addition to access controls, the server supports two-way communication between intercom and control center.

Video Wall

Offers settings to configure all aspects of a video wall application. The application supports video wall layout, live preview, scheme configuration, and tour setup. In addition, the application supports video wall splicing and roaming.

Management Operations

The software manages the devices and the user accounts for an entire organization. Operators can assign different camera ranges, active use periods, and business roles for each user. The server also supports different schemes for various events, including IVS, to record and view all event history information.

System Features

Business Configuration

Device Management

- Bind cameras for alarm configuration
- Initialize Dahua devices
- Add devices via auto search, IP, IP Segment, Domain, Auto-register (for 3G, 4G, DHCP)
- Manage Dahua devices
- Add third-party devices via ONVIF
- Modify Dahua device IP address and password
- Import Intercom Devices

Role and User Management*

- Manage user permissions and roles for devices and control
- Assign user to defined roles
- Assign appropriate permissions to specific users
- Set user PTZ permissions
- Lock users
- Import domain user and assign roles to the user

Event Management

- Set alarm type: device, video channel, alarm input, IVS alarm, thermal, vehicle block list
- Set alarm scheme: all day, weekday, weekend, or custom template
- Set alarm priority: Low, Medium, High
- Link recordings, snapshots, live video, alarm output, PTZ actions, or e-mail

- Set edge storage and central storage
- Extend central storage via iSCSI
- Create recording plan by time template: all day template, weekday template,
- template, and custom template
- Backup video from edge storage devices (EVS, NVR, DVR, etc.) by schedule
- Backup video from MDVR, NVR, EVS, DVR via Wi-Fi
- · Allocate disks and cameras to different groups to main disk quotas

Note: Video and image recordings cannot be on the same physical hard drive. Separate physical drives are required for video and image storage. System hard drives are only for DSS software installation.

- Use Google online or offline maps, or raster maps
- Supports 8-level sub-map
- Configure camera, alarm input, and intelligent channel, and sub-map hot spots.

Video Wall

- · Display/Hide the screen ID
- Supports screen combinations
- · Bind the decode channel with the corresponding screen

Vehicle Block List

- Manage vehicle block lists
- Arm and disarm vehicle block lists
- Import and export vehicle block lists

Video Intercom

- Manage communication between intercom devices via SIP protocol or command
- Release text information to VTH, release address book to VTO
- · View, delete, and freeze DSS Mobile users

System Maintenance

Backup and Restore

- Automatically backup system database (daily, weekly monthly
- Manually backup system database
- Restore system database from a server or a local file

System Dashboard

- View overview and detailed system information
- Check CPU, storage, and bandwidth running status
- View device health report for service, device, and user online information
- View event information statistics: total and processed events
- View video and alarm channel source information

- · View system, administrator, and client logs
- · Search and export logs

Other Functions

- Support HTTPS
- Set device time calibration
- Set log and alarm information
- * A remote client login to a DSS server is supported only via an IP address. DSS does not

Service Management

- Delete the subserver
- Release text information to VTH, release address book to VTO
- · View, delete, and freeze DSS Mobile users

Control Client

Live View

- Display device tree; show/hide offline devices.
- Display device IP address or device name on the device tree
- View real-time video
- Apply a common layout (1, 4,6, 8, 9, 13, 16, 20, 25, 36, 64) or a customized layout
- Control PTZ cameras
- Set manual recording (PC or central storage)
- Take Snapshots
- Perform instant playback and digital zoom
- Apply Fisheye dewarping
- Control smart tracking for fisheye, speed dome, and panoramic cameras
- Audio talk
- Decode to a video wall
- Turn on/off the audio in live view
- Set Region of Interest: divide one window into 4 or 6 parts, one shows whole image
- and others show details
- Display map in Live View and save current split as a view
- Switch to Playback mode
- Supports NKB1000 keyboard to control cameras in the Live View
- Adjust the video image and the display mode (full screen or original)

Playback

- Playback recording from front-end devices or from central storage
- Apply video filters: normal, motion, alarm, video loss, video tampering
- Reverse playback
- Supports up to 64x fast play and 1/64x slow play
- Playback frame-by-frame
- Lock or mark important recording segments for central storage
- Supports .avi, .dav, .flv, .mp4, and .asf video output
- Decode to a video wall
- Apply Fisheye dewarping
- Take a snapshot
- Switch to the Live View
- Apply a common layout (1, 4,6, 8, 9, 13, 16, 20, 25, 36) or a customized layout
- Adjust the video image and the display mode (full screen or original)

- View real-time and historical alarm information
- View detailed alarm information (live video, record and pictures from related camera,
- alarm source location on the map)
- Acknowledge alarms
- Arm control for alarm source
- Forward alarms to relevant users
- Manually send alarm email to a relevant user
- Search by alarm source, alarm time, status, handle user, and priority
- Search alarm events and export the alarm list

Video Wall

- Manually/Automatically decode real-time video to a video wall
- Manage video wall split
- Change the video channel stream type
- Add box, turn screen on/off, and deliver video stream to control client
- Tour the video channel in one screen
- Set running task on the timeline for schedule plan
- Loop different tasks and set duration time for tour plan Supports NKB1000 keyboard to control the video wall.

- View live video or playback video on the map
- · Calculate area or length of a GIS map
- Supports visible range and initial angle (for PTZ cameras only) Displays visible alarm trigger on the map

Other Functions

- Decode GPU
- · Connect NKB via USB

Personnel Management

- Add, edit, and delete personnel and departments
- Program card or fingerprint via USB or other readers
- Authorize access by door or by door group Set private passwords and face authentication
- Manage guest, VIP, and employee access

Access Control

- Monitor door status and events
- Set door groups and door levels
- Manage access rights
- Use one key to lock/unlock doors
- Link to fire control system
- Set advanced door rules (passback, first card unlock, for example)

Video Intercom

- Manage communication between intercom devices via SIP protocol or command center
- · Release text information to VTH, release address book to VTO

Object Detection

- Take real-time snapshots and record information about human, motorized, and nonmotorized vehicles.
- Extract attributes from snapshots
- · Search targets in database by criteria searching
- · Generate daily, weekly, or monthly attribute reports

Thermal

- Supports monocular and binocular thermal imaging devices
- · Reads temperature values from video frame

Vehicle Entry

- Edit parking lot information, including total and available spaces and parking lot name
- · Manage vehicles, owners, and cards
- Bind LED screen with ITC or spot detector device
- Open barriers via VTO with card or remotely
- Force vehicles to leave parking lot
- Search historical pass records and export data
- Generate daily, weekly, monthly, and annual vehicle entry statistics

Traffic

- Search violations by time, license plate number, violation type.
- Supports daily, weekly, monthly, and annual traffic flow statistics
- Query data for vehicle data based on location, time period, license plate number, color, average speed.

System Features

Mobile Client

History Record

- Show recently viewed channels, open live video or playback via history recordings
- Saves up to 20 history recordings before replacing the oldest recording

Live View

- Open more than one channel at the same time, up to 16 channels
- Supports high-definition (HD), standard-definition (SD), and Fluency (FL)stream types
- Supports PTZ control
- Supports horizontal screen play
- · One-key switch to playback
- · Take snapshots, record locally, and talk

Playback

- Replay device recordings and center recordings (up to 8x and as slow as 1/8x)
- Marks the calendar to indicate whether there is a video on a particular day
- Supports snapshot
- Manually record to local device
- Supports 1x, 2x, 3x, 4x, 1/2x, 1/4x, and 1/8x playback speeds

Alarm Center

- Subscribe to an alarm
- · Process alarms
- · View alarm video and picture
- Search alarms

Map

- Supports Google Maps
- Displays the video channel on the map
- View video and perform playback

Other Functions

- View video from a channel and add channel as a favorite
- View picture and video via a local file.

Technical Specification

Hardware – Server

Operating System		Windows 10 20H2 (64-bit) Windows 11 (64-bit)	
CPU	Recommended	Intel® Core™ I7-9700K CPU @ 3.60 GHZ	
CPU	Minimum	Intel® Core™ I5-9400 CPU @ 2.90 GHZ	
Memory		8 GB	
System Disk	Recommended	7200 RPM Enterprise Class HDD 1 TB 500 GB free for DSS	
	Minimum	7200 RPM Enterprise Class HDD 1 TB 200 GB free for DSS	
Storage Disk		7200 RPM Enterprise Class HDD	
Network Connection		One (1) 1000 Mbps Ethernet Port	
Languages		English (United States), Simplified Chinese	

Hardware – PC Client

Operating System		Windows 7 (64-bit) Windows 10 20H2 (64-bit) Windows 11 (64-bit)	
CPU	Recommended	Intel® Core i7-11700 @ 2.50 GHz	
CPU	Minimum	Intel® Core i5-9500 @ 3.00 GHz	
Memory		16 GB	
Craphics Card	Recommended	NVIDIA® GeForce® RTX 3060	
Graphics Card	Minimum	Intel® UHD Graphics 630	
Starage	Recommended	100 GB free space for DSS Client	
Storage	Minimum	50 GB free space for DSS Client	
Network Connection		One (1) 1000 Mbps Ethernet Port	
Languages		Arabic, Bulgarian, Czech, Danish, English (United states), Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Macedonian, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Thai, Traditional Chiese, Turkish, Ukrainian, Vietnamese	

Hardware – DSS Mobile Client

iPhone	Model: iPhone 5S or later OS: iOS 10.0 or later
Android	Resolution: 1280 x 720 or higher RAM: 2 GB or more OS: Android 5.0 or later
Language	Arabic, English (United States), French, Russian, Simplified Chinese

Total System Management Functions

Organization, User, Roles*	Organization	10 levels 999 Total Organizations
	Roles	20 User Permissions
	Users	10 Online Users 50 Total Users
	Video Intercom Mobile App	50 Online Users 500 Total Users
Record and Event Plan	General Recording Plans	Up to 256 plans
	Motion Detection Recording Plans	Up to 256 plans
Мар	Hierarchies	8
	Raster Maps	Up to 32
	Raster Map Size	15 MB
	Raster Map Resolution	8,100 x 8,100
	Resources per Raster Map	Up to 300

	People	5,000	
Personnel Management	Cards	10,000	
	Finger Prints	10,000	
	Vehicles	5,000	
Vehicle Watch List		8	
Vehicles per Watch L	ist	5,000	
	People Counting Groups	4	
Intelligent Analysis	People Counting Rules per Group	20	
	Vehicles	5,000	
	Vehicle Groups	8	
Parking Lot	Parking Lots	1	
Management	Number of Entrances and Exits	4 (2 Entrance, 2 Exits)	
	Entrance and Exit Points	4	
	People per Group	5,000	
Access Control	Access Permission Group	50	
	Door Groups	50	
	Rooms	1,000	
Video Intercom	Persons per Room	10	
	VDP Accounts	5	
Notification Center N	lessages	1,000	
	Events	2,000,000	
	Face Detection+	2,000,000	
	ANPR	2,000,000	
	Metadata	2,000,000	
	Access Control	2,000,000	
	Video Intercom	2,000,000	
D D	Visitors	2,000,000	
Data Records	Entrances	2,000,000	
	Exits	2,000,000	
	Historical Count	2,000,000	
	In-Area Statistical	2,000,000	
	Heat Map	2,000,000	
	Operator Logs	2,000,000	
	Service Logs	2,000,000	

Server Specifications

Single Server

Total Devices Devices Auto-registered Devices 32	Single Server			
Auto-registered Devices Video² Video² Video² Video² Z56 Channels P2P 32 Devices Eight (8) channels (Four (4) for entrance) Face Recognition Devices and Channels Add Devices by ONVIF Video Metadata Channels Access Control Devices Alarm Devices Alarm Controllers People Counting Channels Heat Map Channels Total Incoming Bandwidth per Server Incoming Video per Server Incoming Video per Server Incoming Video per Server Outgoing Video per Server Outgoing Video per Server Outgoing Video per Server Video Storage per Server Foral Recordings Perecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events² Access Control Events ANPR Events 12/5 (500 KB per picture) Events with Pictures 12/5 (500 KB per picture)	Total Davisos ¹	Devices	512	
Video Devices and Channels P2P ANPR Face Recognition Devices and Channels Add Devices by ONVIF Video Metadata Channels Access Control Devices Alarm Devices Alarm Controllers Intelligent Analysis People Counting Channels Heat Map Channels Total Incoming Bandwidth per Server Incoming Picture per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Playback, Storage, Download Capacity Peonle Counting Channels Prerecording Bandwidth per Server Total Outgoing Bandwidth per Server Total Outgoing Bandwidth per Server Total Storage per Server Video Storage per Server Video Storage per Server Playback, Storage, Download Capacity Anyre Events Anyre Events Anyre Events Anyre Events Anyre Events 12/s Anyre Events 12/s Anyre Events with Pictures Face Capture 12/s (500 KB per picture)	Total Devices	Auto-registered Devices	32	
Video Devices and Channels Face Recognition Devices and Channels Face Recognition Devices and Channels Add Devices by ONVIF Video Metadata Channels Access Control Video Intercom Devices Alarm Controllers Beople Counting Channels Heat Map Channels Total Incoming Bandwidth per Server Incoming Video per Server Incoming Video per Server Incoming Picture per Server Total Outgoing Bandwidth per Server Outgoing Video per Server 200 Mbps Total Storage Bandwidth per Server Total Storage Bandwidth per Server Video Storage per Server 100 Mbps Prerecording Bandwidth per Storage per Server Video Storage per Server Video Storage per Server Video Storage per Server Total Storage Bandwidth per Storage Server 100 Mbps Prerecording Bandwidth per Storage Per Server Total Storage Bandwidth per Storage Per Server Video Storage per Server Video Storage per Server 100 Mbps Prerecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events 4 Events without Pictures 60/s Access Control Events Access Control Events Total Events with Pictures 60/s (50 Mbps) Events ANPR Events ANPR Events 12/s (500 KB per picture) Events with Pictures 12/s (500 KB per picture)		Video²		
Video Devices and Channels Face Recognition Devices and Channels Add Devices by ONVIF Video Metadata Channels Access Control Devices Alarm Devices Alarm Devices Intelligent Analysis People Counting Bandwidth per Server Incoming Video per Server Incoming Picture per Server Total Outgoing Bandwidth per Server Outgoing Video per Server Total Storage Bandwidth per Server Video Storage per Server Picture Storage per Server Picture Storage per Server Picture Storage per Server Picture Storage Server (Local) Total Events* ANPR Events Face Capture Pace Ser Ok Bevices; 256 Channels Add Devices; 256 Devices Acd Devices; 160 Zones 16 Channels 16 Channels 16 Channels 16 Channels 10 Mbps 200 Mbps 200 Mbps 200 Mbps 200 Mbps 200 Mbps 100 Mbps 50 Mbps 50 Mbps 50 Mbps 50 Mbps 200 Mb		P2P	32 Devices	
Face Recognition Devices and Channels Add Devices by ONVIF Video Metadata Channels 8 Channels Access Control Devices Alarm Devices Alarm Devices Alarm Devices Alarm Devices Intelligent Analysis People Counting Channels Heat Map Channels 16 Channels 16 Channels Total Incoming Bandwidth per Server Incoming Video per Server Incoming Video per Server Incoming Picture per Server Outgoing Picture per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Playback, Storage, Download Capacity Maximum Capacity per Storage Server (Local) Total Events with Pictures Access Control Events ANPR Events Face Capture 12/s (500 KB per picture) 256 Devices; 256 Channels 64 Devices; 266 Devices 65 Devices 66 Devices; 266 Devices 67 Devices 67 Devices 68 Devices 69 Devices 60 Devices		ANPR		
Video Metadata Channels 8 Channels	Channels®		8 Devices; 8 Channels	
Access Control Devices Video Intercom 256 Devices Alarm Devices Alarm Controllers Intelligent Analysis People Counting Channels Heat Map Channels Incoming Bandwidth per Server Incoming Picture per Server Outgoing Picture per Server Outgoing Picture per Server Video Storage Bandwidth per Server Video Storage per Server Picture Storage per Server Picture Storage per Server Picture Storage per Server Pownload Capacity Total Events ANPR Events Video KB per picture) Events with Pictures Face Capture Face Capture 126 Channels 16 Channels 16 Channels 16 Channels 16 Channels 200 Mbps 200 Mb		Add Devices by ONVIF	256 Devices; 256 Channels	
Devices Nideo Intercom Devices Alarm Devices Alarm Devices Alarm Controllers People Counting Channels Heat Map Channels Total Incoming Bandwidth per Server Incoming Video per Server Incoming Picture per Server Total Outgoing Bandwidth per Server Outgoing Video per Server Outgoing Picture per Server Video Storage Bandwidth per Server Video Storage per Server Video Storage per Server Picture Storage per Server Picture Storage per Server Pownload Capacity Maximum Capacity per Storage Server (Local) Total Events with Pictures ANPR Events Video Incoming Channels 16 Channels 100 Mbps 200 Mbps 200 Mbps 50 Mbps 100 Mbps 50 Mbps 17 Total Events 60/s 6		Video Metadata Channels	8 Channels	
Alarm Devices Alarm Controllers People Counting Channels Heat Map Channels Total Incoming Video per Server Incoming Picture per Server Intelligent Analysis Media Transmission Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Picture Storage per Server Download Capacity Maximum Capacity per Storage Server (Local) Total Events ANPR Events ANPR Events People Counting 16 Devices; 160 Zones 16 Channels 100 Mbps 100 Mbps 100 Mbps 100 Mbps 50 Mbps 50 Mbps 50 Mbps 50 Mbps 50 Mbps 50 Mbps 2 TB 60/s	Access Control	Access Control Devices	64 Devices; 64 Doors	
Intelligent Analysis People Counting Channels Heat Map Channels 16 Channels 1	Devices	Video Intercom	256 Devices	
Intelligent Analysis Heat Map Channels Total Incoming Bandwidth per Server Incoming Video per Server Incoming Picture per Server Total Outgoing Bandwidth per Server Total Outgoing Bandwidth per Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Picture Storage per Server Percecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events Access Control Events ANPR Events Heat Map Channels 100 Mbps 100 Mbps 50 Mbps 2 TB 2 TB 60/s 60/s 60/s 60/s 4 Cecess Control Events 60/s Access Control Events 60/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)	Alarm Devices	Alarm Controllers	16 Devices; 160 Zones	
Total Incoming Bandwidth per Server Incoming Video per Server Incoming Picture per Server Total Outgoing Bandwidth per Server Total Outgoing Bandwidth per Server Total Outgoing Bandwidth per Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Total Storage Bandwidth per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Picture Storage per Server Playback, Storage, Download Capacity Maximum Capacity per Storage Server (Local) Total Events ⁴ Events without Pictures Access Control Events Total Events with Pictures ANPR Events In Channels 200 Mbps 100 Mbps 100 Mbps 50 Mbps 50 Mbps 2 TB 60/s 60/s 60/s 60/s 60/s 60/s 60/s 60/		People Counting Channels	16 Channels	
Per Server Incoming Video per Server 200 Mbps	Intelligent Analysis	Heat Map Channels	16 Channels	
Incoming Picture per Server Total Outgoing Bandwidth per Server Outgoing Video per Server Outgoing Picture per Server Outgoing Picture per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Video Storage per Server Picture Storage per Server Outgoing Picture per So Mbps 100 Mbps Prerecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events ⁴ Events without Pictures Access Control Events ANPR Events ANPR Events Events with Pictures 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)		- C	200 Mbps	
Server Total Outgoing Bandwidth per Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Video Storage per Server Forecording Bandwidth for Alarm Recordings Download Capacity Maximum Capacity per Storage Server (Local) Total Events 4 Events without Pictures Access Control Events Outgoing Pandwidth for Mbps 2 TB Total Events with Pictures 60/s Access Control Events 60/s Access Control Events 60/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)		Incoming Video per Server	200 Mbps	
Media Transmission Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Playback, Storage, Download Capacity Maximum Capacity per Storage Server (Local) Total Events 4 Events without Pictures ANPR Events ANPR Events Per Server 200 Mbps 100 Mbps 100 Mbps 50 Mbps 50 Mbps 2 TB 60/s 60/s 60/s 60/s 60/s 60/s 60/s 60/s 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)			50 Mbps	
Server Outgoing Video per Server Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Video Storage per Server Video Storage per Server Ficture Storage per Server For Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events ⁴ Events without Pictures Access Control Events ANPR Events ANPR Events Events with Pictures Face Capture 200 Mbps 50 Mbps 600 Mbps 50 Mbps 2 TB 60/s 60/			200 Mbps	
Outgoing Picture per Server Total Storage Bandwidth per Server Video Storage per Server Picture Storage per Server Playback, Storage, Download Capacity Total Events Access Control Events ANPR Events Outgoing Picture per Son Mbps 100 Mbps 50 Mbps 50 Mbps 2 TB 2 TB 60/s 60/s 60/s 60/s 60/s 60/s 60/s 7 Total Events without Pictures 60/s Access Control Events 60/s ANPR Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)		Outgoing Video per Server	200 Mbps	
per Server Video Storage per Server Video Storage per Server Picture Storage per Server Prerecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events ⁴ Events without Pictures Access Control Events Total Events with Pictures ⁵ ANPR Events ANPR Events Events with Pictures Events with Pictures Events with Pictures 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures Face Capture 12/s (500 KB per picture)			50 Mbps	
Picture Storage per Server Prerecording Bandwidth for Alarm Recordings Maximum Capacity per Storage Server (Local) Total Events 4 60/s Events without Pictures 60/s Access Control Events 60/s Total Events with Pictures 5 60/s (50 Mbps) Events 3 ANPR Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		_	100 Mbps	
Playback, Storage, Download Capacity Maximum Capacity per Storage Server (Local) Total Events ⁴ 60/s Events without Pictures 60/s Access Control Events 60/s Total Events with Pictures ⁵ 60/s (50 Mbps) Events ⁸ ANPR Events 12/s Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		Video Storage per Server	100 Mbps	
Playback, Storage, Download Capacity Maximum Capacity per Storage Server (Local) Total Events ⁴ 60/s Events without Pictures 60/s Access Control Events Total Events with Pictures ⁵ 60/s (50 Mbps) Events ³ ANPR Events ANPR Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		Picture Storage per Server	50 Mbps	
Storage Server (Local) Total Events ⁴ Events without Pictures 60/s Access Control Events 60/s Total Events with Pictures ⁵ 60/s (50 Mbps) Events ³ ANPR Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)	Playback, Storage,		50 Mbps	
Events without Pictures 60/s Access Control Events 60/s Total Events with Pictures 60/s (50 Mbps) Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)			2 TB	
Access Control Events 60/s Total Events with Pictures 60/s (50 Mbps) Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		Total Events⁴	60/s	
Events³ ANPR Events ANPR Events Events with Pictures 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		Events without Pictures	60/s	
Events³ ANPR Events 12/s (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)	Events ³	Access Control Events	60/s	
ANPR Events (4 per 3 sec for entrance and exit) (500 KB per picture) Events with Pictures 12/s (500 KB per picture) Face Capture 12/s (500 KB per picture)		Total Events with Pictures ⁵	60/s (50 Mbps)	
Face Capture 12/s (500 KB per picture)		ANPR Events	(4 per 3 sec for entrance and exit)	
		Events with Pictures	12/s (500 KB per picture)	
Object Detection 6/s (1024 KB per picture)		Face Capture	12/s (500 KB per picture)	
		Object Detection	6/s (1024 KB per picture)	

Thermal Temperature Monitoring Solution Functions

Thermal Cameras	Per Server	400
	In Total	2,000
Imagos	Per Server	150 pictures per second
Images	In Total	350 pictures per second
Supported Functions		 Online License Activation Picture Storage/Snapshot Record/Playback

Ordering Information			
License Name	Description		
DSS8EXV	One (1) Video Chan Use for a network ca		ANPR channel
DSS8EXD	One (1) Door Channel License. Note: An access control device with video requires one (1) door channel license and one (1) video channel license.		
DSS8EXVDP	One (1) Video Intercom Device License. Use for one (1) VTO or one (1) VTH device.		
DSS8EXVEM	Vehicle Parking Management Module License. This license also requires a video license.		
Optional Mobile Applications	DSS Agile 8		The mobile client app supports DSS version 8 and offers monitoring center, event center, intelligent search and access management.
(available via the Apple App Store and the Google Play Store)	DSS Agile VDP		The mobile app is designed for residential video intercom installations. The app allows resident to respond to video calls, unlock a door, call the management center, and review messages.



The total number of devices must not exceed the total number of video devices, access control devices,

video intercom devices, and other devices.
The total number of video devices and channels must not exceed the total number of network cameras, NVRs, ITCs, and other video devices and channels.

Event concurrency is peak concurrency: 20 minutes of peak concurrency test, 3 times a day, and 30% peak concurrency for the remaining time of the day. Event concurrency: Event concurrency is in accordance with database concurrent writes. Concurrency of event with pictures must take picture write capacity of the disk into account.

Total event concurrency: The ability to write all events to system records concurrently. For concurrency of events with pictures, picture write concurrency should also be taken into consideration. The picture write concurrency of an individual server is up to 200 Mbps, so the concurrency of events with pictures is limited by picture write capacity.