DSS V8 Products Comparison List

V8.6.0

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1 Basic Information

The DSS V8 product comparison list is based on the following firmware version information.

Software		All-in-One	
Product Model	Version	Product Model	Version
DSS Express	V8.6.0	DSS7116D/DR	V8.5.0
DSS Professional	V8.6.0	DSS7016D/DR-S2	V8.5.1

2 System Deployment

	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
OS	Windows	Windows	Windows	Linux
Form	Software	Software	Software	All-in-One
Type of Deployment	Single-server	Single-server	Distribute	Distribute
Multi-site	x	Works as a Lower-level Site	Works as a Upper-level or Lower-level Site	x
Hot Standby	x	x	√	√
Distribute	x	x	√	√
N+M	x	x	√	√
Multi-site as Current Site	x	x	√	x
Multi-site as Remote Site	x	√	√	x
Plugin Deployment	x	x	√	x
MSI Installation Package for PC Client	√	√	√	√

3 Performance

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Performance					
Organization, Role & User	Organizations	10 levels; 999 organizations in total	10 levels; 999 organizations in total	10 levels; 999 organizations in total	10 levels; 999 organizations in total
	Role (User Permission)	20	20	500	100
	Users (Include PC Clients & DSS Agile App)	10 online users and 50 total users	10 online users and 50 total users	200 online users and 2,500 total users	50 online users and 200 total users
	Roles per User	32	32	32	32
	DSS Agile VDP User	x	50 online users and 500 total users	500 online users and 5,000 total users	500 online users and 5,000 total users
	User Groups	20	20	20	20
	Users in a Single User Group	50	50	500	200
Recording Plan	General Recording Plans	64	256	3,000	3,000
	Motion Detection Recording Plans	64	256	3,000	3,000
	Video Retrieval Plans	x	x	3,000	3,000
	File Retrieval Plans	x	x	3,000	x
Live View and Playback	Total Public View Folders	999	999	999	999
	Total Public Views	1,000	1,000	1,000	1,000
	Total Private View Folders	999 per user	999 per user	999 per user	999 per user
	Total Private Views	1,000 per user	1,000 per user	1,000 per user	1,000 per user
	Favorites Level	10	10	10	10

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Live View and Playback	Total Favorites	999 per user	999 per user	999 per user	999 per user
	Device Channels for Total Favorites	2,000 per user	2,000 per user	2,000 per user	2,000 per user
	Max Number of Tags	10,000 per user	10,000 per user	10,000 per user	10,000 per user
	Max Number of Locked Videos	10,000 per user	10,000 per user	10,000 per user	10,000 per user
	Max Linked Tracking Channels per Channel	x	x	8	x
	Max Number of Simultaneous Video Downloads per Client	5	5	5	5
Video Wall	Video Walls	x	32	32	32
	Video Wall Schemes	x	64	128	128
	Touring Videos per Video Wall Window	x	256	512	512
Event	Event Sources for Event Rules	256 event sources	256 event sources	3,000 event sources	3,000 event sources
	Combined Events Rules	x	100	100	100
	Combined Events	x	128	1,000	1,000
	Generic Event Rules	50	50	50	50
DeepXplore	Max Number of Channels Searched at a Time	64	200	200	200
	Max Video Analysis Tasks (Local Task + Recording Task)	x	x	3,000	x
Map	Hierarchies	8	8	8	8
	Size of Offline GIS Map Package	x	x	1 GB	1 GB
	Maximum Size of Raster Map	15 MB	15 MB	15 MB	15 MB
	Raster Map Resolution	8,100 × 8,100	8,100 × 8,100	8,100 × 8,100	8,100 × 8,100

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Map	Raster Maps	32	32	256	256
	Resources on GIS Map	x	x	Up to 300 (After merging) Up to 2,000 (Before merging)	Up to 300 (After merging) Up to 2,000 (Before merging)
	Resources per Raster Map	Up to 300 (After merging) Up to 2,000 (Before merging)	Up to 300 (After merging) Up to 2,000 (Before merging)	Up to 300 (After merging) Up to 2,000 (Before merging)	Up to 300 (After merging) Up to 2,000 (Before merging)
	Static Visual Range	64	256	1,000	1,000
Group Talk	Groups	x	x	30	x
	User in a Group	x	x	100	x
Person and Vehicle Management	Person and Vehicle Groups	999	999	999	999
	Group Levels	10	10	10	10
	Total Persons	5,000	5,000	300,000	100,000
	Persons on the DSS Platform	5,000	5,000	300,000	100,000
	Persons from Third-party Systems	x	x	30,000	x
	Person Groups a Person can Belong to	20	20	20	20
	Cards	x	10,000	600,000	200,000
	Faces	x	5,000	300,000	100,000
	Fingerprints	x	10,000	600,000	200,000
	Vehicles	5,000	5,000	50,000	20,000

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Face and Vehicle Watch Lists	Total Faces	5,000	5,000	300,000	100,000
	Face Watch Lists	50	50	50	50
	Vehicle Watch Lists	8	8	32	16
	Faces per Face Watch List	5,000	5,000	50,000	50,000
	Vehicles per Vehicle Watch List	5,000	5,000	50,000	20,000
Access Control	Zones	x	256	256	256
	Zone Levels	x	8	8	8
	Access Rules (Doors and Lifts)	x	50	500	200
	Door Access Rules	x	50	500	200
	Lift Access Rules	x	x	300	x
	Persons for Door Access Rules	x	5,000 (1 password, 2 face images, 3 fingerprints, and 5 cards for each person)	100,000 (1 password, 2 face images, 3 fingerprints, and 5 cards for each person)	100,000 (1 password, 2 face images, 3 fingerprints, and 5 cards for each person)
	Persons for Lift Access Rules	x	x	100,000	x
	Global Anti-passback Rules	x	x	16	x
	Anti-passback Groups per Global Anti-passback Rule	x	x	2–4	x
	Card Readers per Anti-passback Group for Global Anti-passback Rule	x	x	64	x
	Global Interlock Rules	x	x	16	x
	Door Access Points per Group for the Rule of Global Interlock within Groups	x	x	2–4	x
	Interlock Groups for the Rule of Global Interlock between Groups	x	x	2	x

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Access Control	Doors per Interlock Group for the Rule of Global Interlock between Groups	x	x	1–4	x
	Total Public Passwords	x	1,500	1,500	1,500
	Max Public Passwords per Device	x	500	500	500
Video Intercom	Rooms (Manually Added)	x	x	5,000	x
	VDP Accounts per Room	x	5	5	5
Visitor	Appointments in Progress	x	10,000	50,000	10,000
	Visitor Permission Groups	x	50	50	50
Intelligent Analysis	People Counting Groups	x	4	30	8
	Max Rules per People Counting Group	x	20	20	20
	Max Number of Channels for Extracting People Counting Data at a Time	x	16	100	--
	Max Number of Metadata Statistics Channels Searched at a Time	x	16	200	--
Parking Lot	Parking Lot Organization Level	10	10	--	--
	Total Parking Lot Organizations	999	999	--	--
	Vehicles	x	5,000	50,000	20,000
	Total Vehicle Groups	x	8	512	256
	Vehicle Groups of a Single Parking Lot	x	8	32	16
	Main Parking Lots	x	1	16	8
	Sub Parking Lots in a Single Main Parking Lot	x	x	16	16
	Total Entrance/Exit Points	x	4	128	64

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Parking Lot	Total Entrances and Exits	x	4	128	64
	Entrances	x	4	128	64
	Exits	x	4	128	64
	Max Number of Parking Space Categories (Unclassified Excluded)	x	x	5	--
	Max Number of Parking Spaces per Category (Unclassified Excluded)	x	x	1,000	--
	Total Reserved Parking Spaces	x	x	10,000	x
	Total Reserved Parking Space Groups	x	x	3,000	x
	Reserved Parking Space Groups for per Single Parking Lot	x	x	3,000	x
	Parking Spaces for per Reserved Parking Space Group	x	x	1,000	x
	License Plates for per Reserved Parking Space Group	x	x	1,000	x
	Parking Space Detectors per Parking Lot	x	x	500	x
	Parking Space per Parking Lot	x	x	1,500	x
	Parking Space Available Displays per Parking Lot	x	x	30	x
	Total Layers	x	x	128	x
	Layers per Parking Lot	x	x	16	x
	Image Size per Layer	x	x	15 MB	x
	Resolution per layer	x	x	8,100 x 8,100	x
	Resources per Layer (parking spaces not included)	x	x	600	x
	Parking Spaces per Layer	x	x	1,000	x

Contents			DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Parking Lot		Vehicle Search Rules	x	x	32	x
		Vehicle Search Point Links per Vehicle Search Rule	x	x	32	--
		Parking Overtime Rules	x	128	128	--
		Max Number of Time Periods per Day for Each Overtime Parking Rule	x	6	6	--
		Rules Displayed per Parking Space Available Display	x	x	6	--
		Rules of Sending Scheduled Reports	x	32	32	32
Maintenance Center		Alert Rules	x	x	3,000	3,000
		SNMP Protocol Manufacturers	x	x	5	--
AR		Tag Templates	x	x	50	x
		Tags for per AR Channel	x	x	50	x
		Live Video Channels Bound to a Single Tag	x	x	5	x
		Recorded Video Channels Bound to a Single Tag	x	x	5	x
		Locally Uploaded Images per Tag	x	x	5	x
		Linked Channels for per Tag	x	x	16	x
Quick Command		Quick Commands per User	20	20	20	20
		Commands per Quick Command	20	20	20	20
Notification Center Message			1,000	1,000	1,000	1,000
Synthesis		Event Synchronization Projects	x		5	x
		Incoming Triggered Event Types per Event Synchronization Project	x	x	300	x

	Contents	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Synthesis	System Integration Projects	x	x	5	x
	Event Types per System Integration Project	x	x	300	x
	Total Trigger Out Event Sources	x	x	3,000	--
	SNMP Event Sources	x	x	3,000	--
	Total BACnet Event Sources (Sum of Event Sources for Each Object)	x	x	3,000	--
	Total BACnet Objects	x	x	3,000	--
	Max Event Sources per BACnet Object	x	x	3,000	--
	Total Modbus Event Sources	x	x	3,000	--
Retail Plug-in	Persons	x	x	50,000	x
	Total Areas	x	x	100	x
	Total Stores	x	x	500	x
	Floors Supported by a Single Store	x	x	B2–F8 (10 floors)	x
	Total People Counting Areas for Stores	x	x	1,000	x
	Max People Counting Areas for per Store	x	x	10	x
	Rules of Sending Scheduled Reports	x	x	32	x
Intelligent Inspection Plug-in	Inspection Organizations	x	x	999	x
	Inspection Organization Levels	x	x	10	x
	Templates of Inspection Object Type	x	x	1,000	x
	Inspection Objects	x	x	10,000	x

	Contents	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Intelligent Inspection Plug-in	Inspection Points	x	x	10,000	x
	Inspection Points for per Inspection Object	x	x	100	x
	Inspection Objects for per Organization	x	x	1,000	x
	Inspection Plans	x	x	1,000	x
	Inspection Plans for per Inspection Organization	x	x	1,000	x
	Inspection Objects for per Inspection Plan	x	x	100	x
	Inspection Points per Inspection Plan	x	x	100	x
	Max Execution Time Points for per Inspection Plan	x	x	24	x
Education Plug-in	Total Attendance Groups	x	x	1,000	x
	Max People for All Attendance Groups	x	x	50,000	x
	Max People for per Attendance Group	x	x	2,000	x
	Total Classrooms	x	x	1,000	x
	Max Face Recognition Channels Bound to a Single Classroom	x	x	5	x
	Total Courses	x	x	5,000	x
	Total Course Templates	x	x	50	--
	Max People can be Selected for per Class Scheduling	x	x	2,000	x
	People Already Scheduled with Classes for per Classroom	x	x	10,000	x
	People Having Classes at the Same Time (Single Server)	x	x	4,000	x
	People Having Classes at the Same Time (Multi-Servers)	x	x	40,000	x

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Education Plug-in	Total Attendance Points	x	x	64	--
	Total Attendance Rules	x	x	50	--
Data Storage	Event Records	2,000,000	2,000,000	20,000,000	5,000,000
	Face Recognition Records	2,000,000	2,000,000	20,000,000	5,000,000
	ANPR Records	2,000,000	2,000,000	20,000,000	5,000,000
	Video Metadata Records	2,000,000	2,000,000	20,000,000	5,000,000
	Access Records	x	2,000,000	20,000,000	5,000,000
	Analysis Records for People Enter and Exit	x	2,000,000	5,000,000	5,000,000
	Video Intercom Records	x	2,000,000	20,000,000	5,000,000
	Visitor Records	x	2,000,000	20,000,000	5,000,000
	Historical People Counting Records	x	2,000,000	20,000,000	5,000,000
	In Area Statistical Records	x	2,000,000	20,000,000	5,000,000
	Heat Map Records	x	2,000,000	5,000,000	5,000,000
	Hourly/Daily/Monthly Face Statistics	x	2,000,000	20,000,000	--
	Hourly/Daily/Monthly Human Body Statistics	x	2,000,000	20,000,000	--
	Hourly/Daily/Monthly Motor Vehicle Statistics	x	2,000,000	20,000,000	--
	Hourly/Daily/Monthly Non-motor Vehicle Statistics	x	2,000,000	20,000,000	--
	Entrance Records (Vehicle Enter Records)	x	2,000,000	20,000,000	5,000,000
	Exit Records (Vehicle Exit Records)	x	2,000,000	20,000,000	5,000,000

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Data Storage	Parking Records	x	x	20,000,000	x
	Forced Exit Records (Vehicle Forced Exit records)	x	2,000,000	20,000,000	5,000,000
	Vehicle Parking Duration Records	x	x	20,000,000	--
	Parking Duration Records of Parking Space	x	x	20,000,000	--
	MPT Records	x	x	20,000,000	x
	POS Records	x	x	20,000,000	x
	Operation & Maintenance Alarm Records	x	x	20,000,000	5,000,000
	Maintenance Fault Records	x	x	5,000,000	5,000,000
	Operator Logs	2,000,000	2,000,000	20,000,000	5,000,000
	Plug-in Logs	x	x	20,000,000	x
	Service Logs	2,000,000	2,000,000	20,000,000	5,000,000
Data Storage-Independent Data Deployment	Event Records	x	x	30,000,000	x
	Face Recognition Records	x	x	30,000,000	x
	ANPR Records	x	x	30,000,000	x
	Video Metadata Records	x	x	30,000,000	x
Data Storage-Retail Plug-in	Accurate People Flow	x	x	5,000,000	x
	General People Flow	x	x	5,000,000	x
	Queue Analysis	x	x	5,000,000	x
	People Flow Analysis in Region	x	x	5,000,000	x

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Data Storage-Retail Plug-in	Analysis of Heat Map	x	x	5,000,000	x
	General Customer Portrait	x	x	5,000,000	x
	Accurate Customer Portrait	x	x	5,000,000	x
Data Storage-Intelligent Inspection Plug-in	Inspection Records	x	x	20,000,000	x
	Inspection Point Records	x	x	20,000,000	x
Data Storage-Education Plug-in	Class Attendance Records	x	x	20,000,000	x
	School Attendance Records	x	x	20,000,000	--

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Single Server					
Total Devices	Devices	64 devices	512 devices	2,000 devices	2,000 devices
	Auto-Registered Devices	64 devices	512 devices	1,000 devices	1,000 devices
Video Devices and Channels	Total Video Devices and Channels	64 devices; 64 channels	256 devices; 256 channels	1,000 devices; 2,000 channels	500 devices; 1,000 channels
	P2P Devices	32 devices	32 devices	32 devices	32 devices
	Add Devices by ONVIF	8 devices; 8 channels	256 devices; 256 channels	1,000 devices; 2,000 channels	500 devices; 1,000 channels
	Add Devices by Hikvision Protocol	x	x	500 devices; 2,000 channels	x
	Add Devices by RTSP	64 devices; 64 channels	256 devices; 256 channels	1,000 devices; 2,000 channels	500 devices; 1,000 channels
	MPT Devices	x	x	100 devices; 100channels	x
	EEC Devices	x	x	32 devices	x
	MDVR/MNVR	x	x	100 devices; 8,000 channels	x
	Face Recognition Devices and Channels	8 devices; 8 channels	8 devices; 8 channels	100 devices; 500 channels	20 devices; 100 channels
	ANPR Channels	8 channels	8 channels (4 channels for entrance)	500 channels (128 channels for entrance)	100 channels (64 channels for entrance)
	Video Metadata Channels	8 channels	8 channels	500 channels	100 channels
Intelligent Analysis	People Counting Channels	x	16 channels	100 channels	32 channels
	Heat Map Channels	x	16 channels	100 channels	32 channels
ACS Devices	Access Control Devices and Lift Control Devices	x	64 devices; 64 channels	500 devices; 1,000 channels	200 devices; 500 channels
	Total Access Control Devices	x	64 devices; 64 doors	500 devices; 1,000 doors	200 devices; 500 doors

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Single Server					
ACS Devices	Access Control Devices on the DSS Platform	x	64 devices; 64 doors	500 devices; 1,000 doors	200 devices; 500 doors
	Access Control Devices from Third-party Systems	x	x	500 devices; 1,000 doors	x
	Lift Control Devices	x	x	500 devices; 1,000 channels	x
	Video Intercom Devices	x	256 devices	2,000 devices	2,000 devices
	Visitor Terminals	x	10	32	--
Alarm Devices	Alarm Controllers	x	16 devices; 160 zones	100 devices; 1,000 zones	64 devices; 640 zones
	Emergency Phone Towers	x	x	1,000 devices; 2,000 channels	20 devices; 40 channels
Alarm Devices	EAS Alarm Channels	x	x	1, 000 channels	x
Security Screening Device	Security Screening Machine	x	x	20 devices	x
	Walk-through Metal Detector	x	x	60 devices	x
Parking Lot Devices	Parking Space Detectors	x	x	500 devices; 1,500 parking spaces	x
	Parking Space Available Displays	x	x	150 devices	x
POS	POS Channels	x	x	100 channels	x
Radars	Radar Devices	x	x	20 devices	x
IP Speaker	IP Speaker (ONVIF)	x	x	1000 devices	x
Network Devices	Switches	x	x	200 devices	x
Multi-site	Sites	x	x	100 sites	x

Contents			DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Single Server						
Multi-site	Total Devices in Multi-site		x	x	10,000 devices; 20,000 channels	x
Media Transmission Server	Incoming Bandwidth	Total Incoming Bandwidth per Server	200 Mbps	200 Mbps	600 Mbps	600 Mbps
		Incoming Video per Server	200 Mbps	200 Mbps	600 Mbps	600 Mbps
		Incoming Picture per Server	50 Mbps	50 Mbps	200 Mbps	100 Mbps
	Outgoing Bandwidth	Total Outgoing Bandwidth per Server①	200 Mbps	200 Mbps	600 Mbps	600 Mbps
		Outgoing Video per Server	200 Mbps	200 Mbps	600 Mbps	600 Mbps
		Outgoing Picture per Server ①	50 Mbps	50 Mbps	200 Mbps	100 Mbps
Media Transmission Server	Storage Bandwidth	Total Storage Bandwidth per Server	100 Mbps	100 Mbps	600 Mbps	600 Mbps
	Storage Bandwidth	Video Storage Bandwidth per Server	100 Mbps	100 Mbps	600 Mbps	600 Mbps
		Picture Storage Bandwidth per Server①	50 Mbps	50 Mbps	200 Mbps	100 Mbps
	Prerecording Bandwidth for Alarm Recordings		50 Mbps	50 Mbps	400 Mbps	400Mbps
Central Storage	Central Storage Position		Local Server	Local Server	Local Server and IPSAN	Local Server and IPSAN
	Maximum Capacity per Storage Server		7 Days or 2 TB	2 TB	400 TB	200 TB
Event	Storage of Events or Alarms without Pictures		60 per second	60 per second	300 per second	240 per second
	Access Control Events		x	60 per second	300 per second	240 per second
	Combined Events		x	20 per second	100 per second	100 per second
Third-party Integration	Concurrent SNMP Protocol Push Events		x	x	50 per second	x
	Concurrent Execution of Access Control Commands of Third-party System		x	x	15 per second	x

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Multiple Servers					
Main-sub system	Number of Sub Servers per System	x	x	10 servers	5 servers
Total Devices (Multi-Servers)	Devices	x	x	20,000 devices	6,000 devices
	Auto-Registered Devices	x	x	10,000 devices	5,000 devices
Video Devices and Channels (Multi-Servers)	Video Devices and Channels	x	x	10,000 devices; 20,000 channels	2,500 devices; 5,000 channels
	P2P Devices	x	x	32 devices	32 devices
	Add devices by ONVIF	x	x	10,000 devices; 20,000 channels	2,500 devices; 5,000 channels
	Add Devices by Hikvision Protocol	x	x	5,000 devices; 20,000 channels	x
	Add Devices by RTSP	x	x	10,000 devices; 20,000 channels	2,500 devices; 5,000 channels
	MPT Devices	x	x	300 devices 300 channels	x
	EEC Devices	x	x	32 devices	x
	MDVR/MNVR	x	x	1,000 devices; 8,000 channels	x
	Face Recognition Devices and Channels	x	x	1,000 devices; 5,000 channels	100 devices; 500 channels
	ANPR Channels	x	x	5,000 channels (128 channels for entrance)	500 channels (64 channels for entrance)
	Video Metadata Channels	x	x	5,000 channels	500 channels
Intelligent Analysis (Multi-Servers)	People Counting Channels	x	x	300 channels	160 channels
	Heat Map Channels	x	x	300 channels	160 channels
ACS Devices (Multi-Servers)	Access Control Devices and Lift Control Devices	x	x	1,500 devices; 3,000 channels	600 devices; 1500 channels

Contents		DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Multiple Servers					
ACS Devices (Multi-Servers)	Total Access Control Devices	x	x	1,500 devices; 3,000 doors	600 devices; 1,500 doors
	Access Control Devices on the DSS Platform	x	x	1,500 devices; 3,000 doors	600 devices; 1,500 doors
	Access Control Devices from Third-party Systems	x	x	1,500 devices; 3,000 doors	x
	Lift Control Devices	x	x	1,500 devices; 3,000 channels	x
	Video Intercom Devices	x	x	2,000 devices	2,000 devices
	Visitor Terminals	x	10	32	--
Alarm Devices (Multi-Servers)	Alarm Controllers	x	x	500 devices; 5,000 zones	320 devices; 3,200zones
	Emergency Phone Towers	x	x	10,000 devices; 20,000 channels	100 devices; 200 channels
	EAS Alarm Channels	x	x	10, 000 channels	x
Security Screening Device (Multi-Servers)	Security Screening Machine	x	x	200 devices	x
	Walk-through Metal Detector	x	x	600 devices	x
Parking Lot Devices (Multi-Servers)	Parking Space Detectors	x	x	2,000 devices; 6,000 spaces	x
	Parking Space Available Displays	x	x	600 devices	x
POS (Multi-Servers)	POS Channels	x	x	300 channels	x
Radars (Multi-Servers)	Radar Devices	x	x	20 devices	x
IP Speaker (Multi-Servers)	IP Speaker (ONVIF)	×	×	10000 devices	x
Network Devices (Multi-Servers)	Switches	x	x	500 devices	x
Multi-site (Multi-Servers)	Sites	x	x	100 sites	x

Contents			DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Multiple Servers						
Multi-site (Multi-Servers)	Total Devices in Multi-site		x	x	10,000 devices; 20,000 channels	x
Media Transmission Server (Multi-Servers)	Incoming Bandwidth	Total Incoming Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Incoming Video Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Incoming Picture Bandwidth ①	x	x	2,000 Mbps	500 Mbps
	Outgoing Bandwidth	Total Outgoing Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Outgoing Video Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Outgoing Picture Bandwidth ①	x	x	2,000 Mbps	500 Mbps
Media Transmission Server (Multi-Servers)	Storage Bandwidth	Total Storage Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Video Storage Bandwidth	x	x	6,000 Mbps	3,000 Mbps
		Picture Storage Bandwidth ①	x	x	2,000 Mbps	500 Mbps
	Prerecording Bandwidth for Alarm Recordings		x	x	4,000 Mbps	2000 Mbps
Central Storage (Multi-Servers)	Maximum Capacity per Storage Server		x	x	4 PB	1 PB
Event (Multi-Servers)	Storage of Events or Alarms without Pictures		x	x	600 per second	480 per second
	Access Control Events		x	x	600 per second	480 per second
	Combined Events		x	x	100 per second	100 per second
Third-party Integration (Multi-Servers)	Concurrent SNMP Protocol Push Events		x	x	50 per second	x
	Concurrent Access Control Commands of Third-party System		x	x	15 per second	x
① Picture Bandwidth: Including event/alarm pictures, face pictures, and vehicle pictures						

4 Function

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Access Protocol	ONVIF Protocol	√	√	√	√
	Dahua Private Protocol	√	√	√	√
	Hikvision Protocol	×	×	√	×
	SIA (ADM-CID)	×	×	√	×
	SIA (DCS)	×	×	√	×
	Jiuzhou Protocol	×	×	√	×
	DDIP Protocol	×	√	√	√
Adding Mode	IP Address (IPV4)	√	√	√	√
	IP Address (IPV6)	√	√	√	√
	IP Segment (IPV4)	√	√	√	√
	Domain Name	√	√	√	√
	Auto-Registered	√	√	√	√
	P2P	√	√	√	√
	RTSP	√	√	√	√
	Discover Device	√	√	√	√
	Import Devices	×	√	√	√

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Storage	Network Disk	×	×	√	√
	Server Disk	√	√	√	√
	Disk Group	×	×	√	√
	Device Storage Config	√	√	√	√
User Management	Active Directory User	×	×	√	√
	MPT User	×	×	√	×
	Forced Password Change at First Login	√	√	√	√
	Change Password Regularly	√	√	√	√
	Bind MAC Address	√	√	√	√
Recording Plan	General Recording Plan	√	√	√	√
	Motion Detection Recording Plan	√	√	√	√
	Video Retrieval	×	×	√	√
	File Retrieval	×	×	√	×
Backup and Restore	Manual Backup	√	√	√	√
	Auto Backup	√	√	√	√
Event Config	Alarm Storm	√	√	√	√
	Link Video	√	√	√	√
	Trigger Snapshot	√	√	√	√

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Event Config	Link PTZ	√	√	√	√
	Link Alarm Output	√	√	√	√
	Link Audio and Light	√	√	√	√
	Link Access Control Device	×	√	√	√
	Link Video Wall	×	√	√	√
	Link IP Speaker	×	×	√	×
	Link HTTP URL Command	√	√	√	√
	Link E-mail	√	√	√	√
	Link Client Sound	√	√	√	√
	Event Transferal	×	×	√	--
	Alarm Scheme	√	√	√	√
	Notify User	√	√	√	√
	Notify Users by Group	√	√	√	√
	Combined Event	×	√	√	√
	Generic Event	√	√	√	√
Person and Vehicle Information	Person List	√	√	√	√
	Vehicle List	√	√	√	√

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Parking Lot Configuration	Parking Lot Organization	×	√	√	--
	Main and Sub Parking Lots	×	×	√	√
	Parking Lot without Barrier	×	√	√	√
	No Entrance & Exit Parking Lot	×	√	√	√
	Open Barrier by Two-Factor Verification	×	√	√	√
	Parking Space Detector	×	×	√	×
	Parking Guidance	×	×	√	×
	Parking Space Category	×	×	√	--
	Reserved Parking Space	×	×	√	√
	Parking Spaces for Personnel	×	×	√	√
	Parking Spaces for Vehicle Groups	×	×	√	√
	Scheduled Report Sending	×	√	√	√
Maintenance Center	Alert Rule	×	×	√	√
	Video Storage Detection Config	×	×	√	√
Synthesis	Event Sync	×	×	√	×
	Data Sync	×	×	√	×
	System Integration	×	×	√	×

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Monitoring Center	Live View	√	√	√	√
	Visual Tracking	×	×	√	--
	Face Recognition	√	√	√	√
	ANPR	√	√	√	√
	Video Metadata	√	√	√	√
	Video Wall	×	√ (NVD Only)	√	√
	GIS Map	×	×	√	√
	Raster Map	√	√	√	√
	MPT Group Talk	×	×	√	×
	AR	×	×	√	×
Event Center	Event Statistics	×	×	√	×
	Real-time Events	√	√	√	√
	Events History	√	√	√	√
	Alarm Controller	×	√	√	√
	Temporary Disarm	√	√	√	√
	Scheme Control	√	√	√	--
DeepXplore	Face Feature Search	√	√	√	√
	Face Search by Image (Central Intelligence Comparison)	√	√	√	√

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
DeepXplore	Face Search by Image (Device Comparison)	√	√	√	√
	Human Feature Search	√	√	√	√
	Human Search by Image (Central Intelligence Comparison)	×	×	√	×
	Human Search by Image (Device Comparison)	√	√	√	√
	Person Archive Search	√	√	√	√
	Motor Vehicle Feature Search	√	√	√	√
	Motor Vehicle Search by Image (Central Intelligence Comparison)	×	×	√	×
	Motor Vehicle Search by Image (Device Comparison)	√	√	√	√
	Non-Motor Vehicle Feature Search	√	√	√	√
	Vehicle Archive Search	√	√	√	√
	MPT Record Search	×	×	√	×
	MPT Track Search	×	×	√	×
	POS Record Search	×	×	√	×
	Card Swiping Record Search	×	√	√	√
	Track and Favorites	×	×	√	√
	Track Playback	×	×	√	√
	Recording Task Search	×	×	√	×
	Local Task Search	×	×	√	×

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
DeepXplore	Case Bank	×	×	√	×
Access Management	Access Control Panel	×	√ (Lift control not supported)	√	√ (Lift control not supported)
	Access Records	×	√	√	√
	Zone Management	×	√	√	√
	Access Rule (General Verification)	×	√	√	√
	Access Rule (Normally Open)	×	√	√	√
	Access Rule (Normally Closed)	×	√	√	√
	Access Rule (First-person Unlock)	×	×	√	√
	Access Rule (Multi-person Unlock)	×	×	√	√
	Access Rule (Local Anti-passback)	×	√	√	√
	Access Rule (Global Anti-passback)	×	×	√	×
	Access Rule (Local Multi-door Interlock)	×	×	√	√
	Access Rule (Global Multi-door Interlock)	×	×	√	×
	Access Rule (Remote Verification)	×	×	√	√
	Lift Access Rule (Regular Verification)	×	×	√	×
	Video Intercom	×	√	√	√
	Visit Appointment Registration	×	√	√	√

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Parking Lot	Statistics Dashboard	×	×	√	×
	Entrance and Exit Monitoring	×	√	√	√
	Info Search	×	√ (No parking records)	√	√ (No parking records)
	Parking Information	×	×	√	--
	Visualized Parking Lot	×	×	√	×
	Vehicle Location Search	×	×	√	×
Intelligent Analysis	People Counting	×	√	√	√
	Heat Maps	×	√	√	√
	In Area No. Analysis	×	√	√	√
	Metadata Statistics	×	√	√	--
Maintenance Center	Workstation	×	×	√	√
	Device Status	×	×	√	√
	Channel Status	×	×	√	√
	Server Status	×	×	√	√
	Network Status	×	×	√	×
	Alert	×	×	√	√
	Analysis Report	×	×	√	√
	Device Update	×	×	√	×

Classification	Function	DSS Express (Free Version)	DSS Express (License Version)	DSS Professional	DSS7116D/DR DSS7016D/DR-S2
Logs	Operator Log	√	√	√	√
	Device Log	×	√	√	√
	System Log	√	√	√	√
	Plug-in Log	×	×	√	×
	Extract Service Log	√	√	√	√
Plug-in	Inspection Plug-in	×	×	√	×
	Retail Plug-in	×	×	√	×
	Education Plug-in	×	×	√	×

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