DSS Products Introduction

2019 Q4

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Overview

Overview

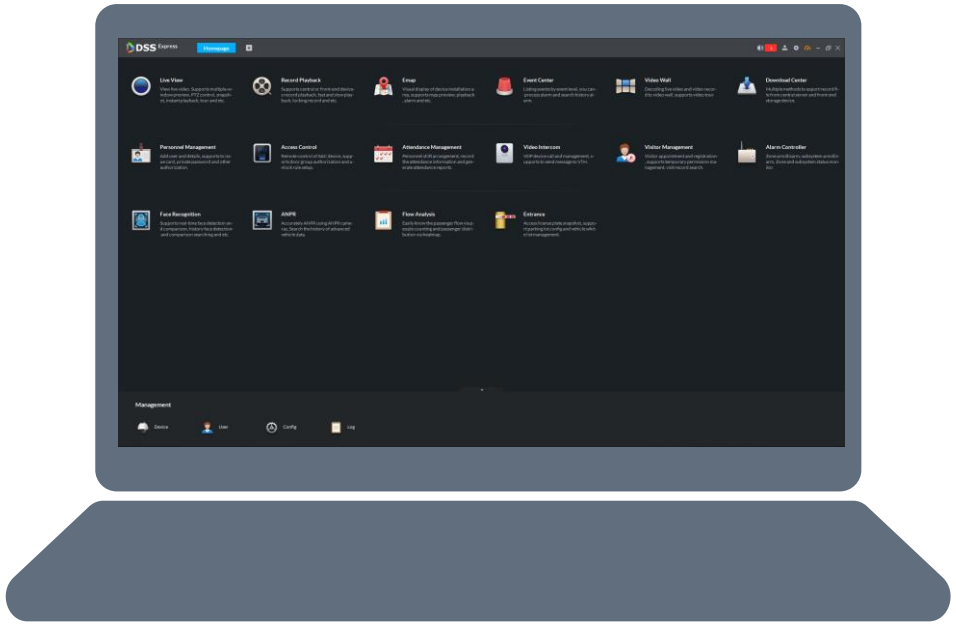
DSS Family

- **Software**
  - DSS Express (Free) — Demonstration, device marching
  - DSS Express (Plus) — Small or medium-sized projects (up to 512 channels)
  - DSS Pro — Large projects, distributed deployment (up to 20000 channels)
- **All-in-one**
  - DSS4004-S2-W — Pre-activated win10, up to 64 channels, expandable 2 HDDs
  - DSS4004-S2 — Linux-optimized DSS Express, support for network disks
  - DSS7016-S2 — Linux-optimized DSS Pro without add-ons, expandable 15 HDDs

/02

Promotion

DSS Express

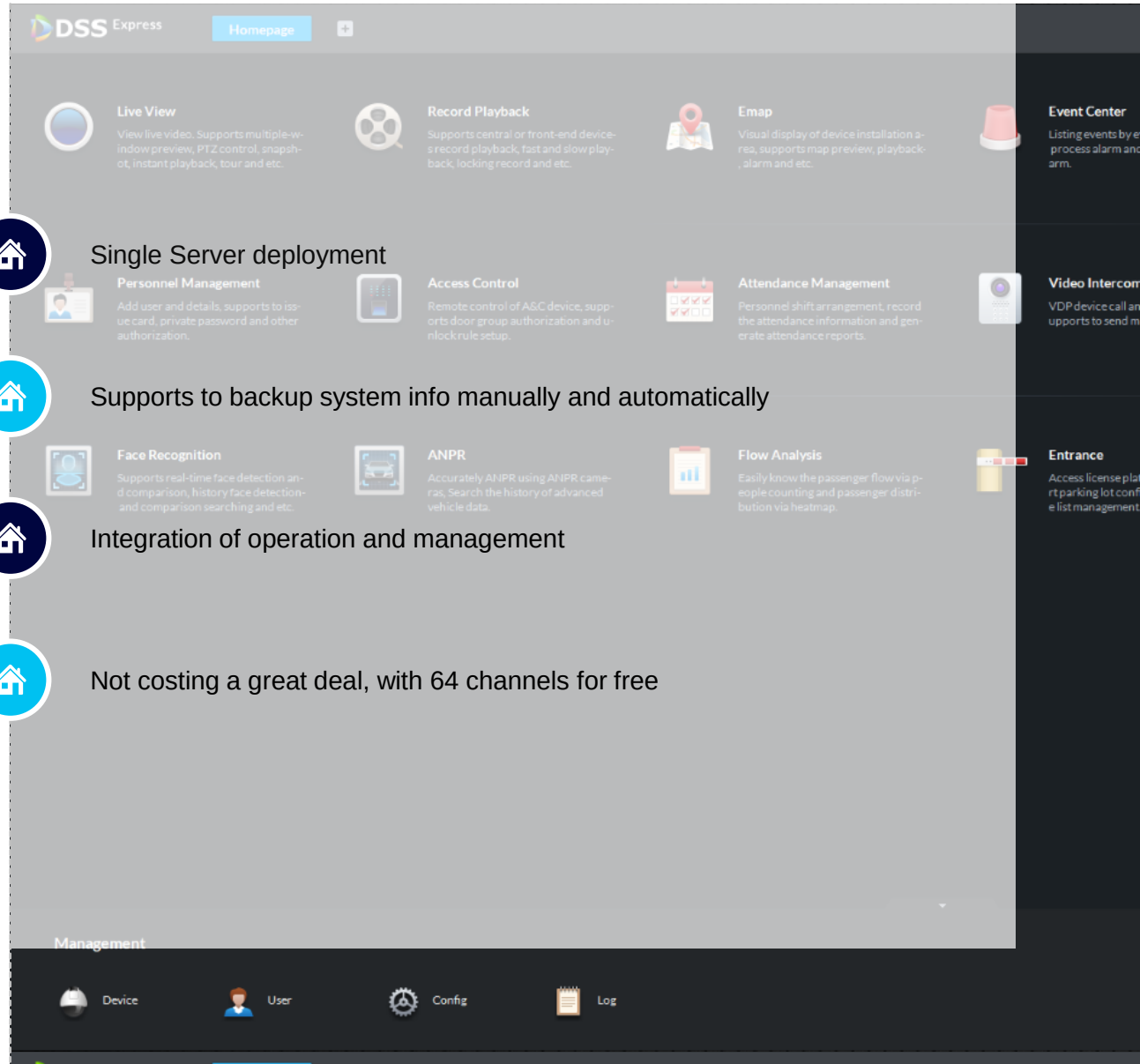


Easy-to-use — Single Server deployment

Reliable — Supports to backup system info manually and automatically

Integration — Integration of operation and management

Inexpensive — Not costing a great deal, with 64 channels for free



DSS4004-S2

Second generation product

Linux-optimized DSS Express

All-in-one

Convenient

Fixed selection and no license required

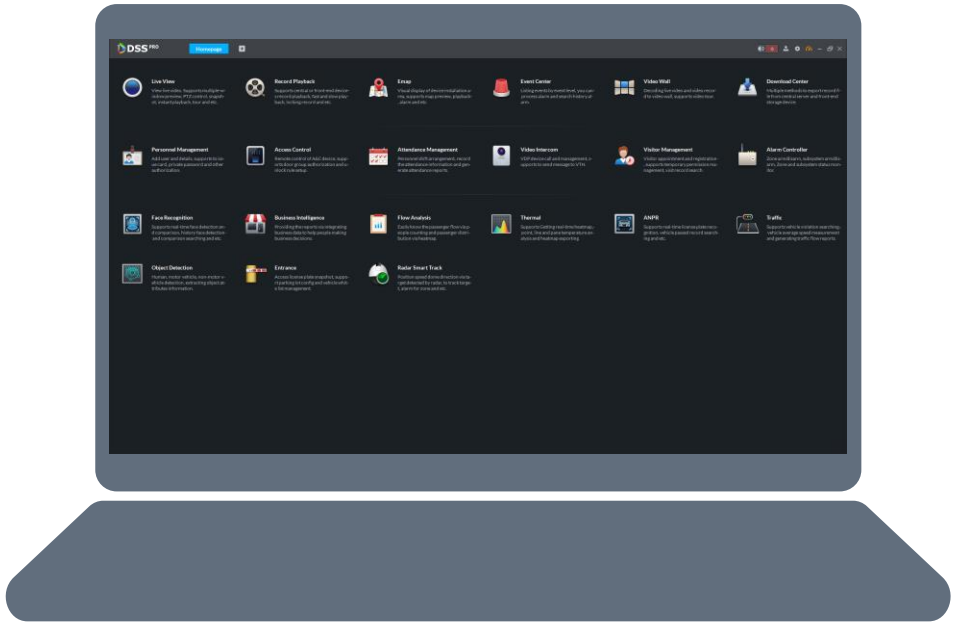
Expandable storage

Support EVS as central storage

Multiple scenarios

Shop, office, residence

DSS Pro

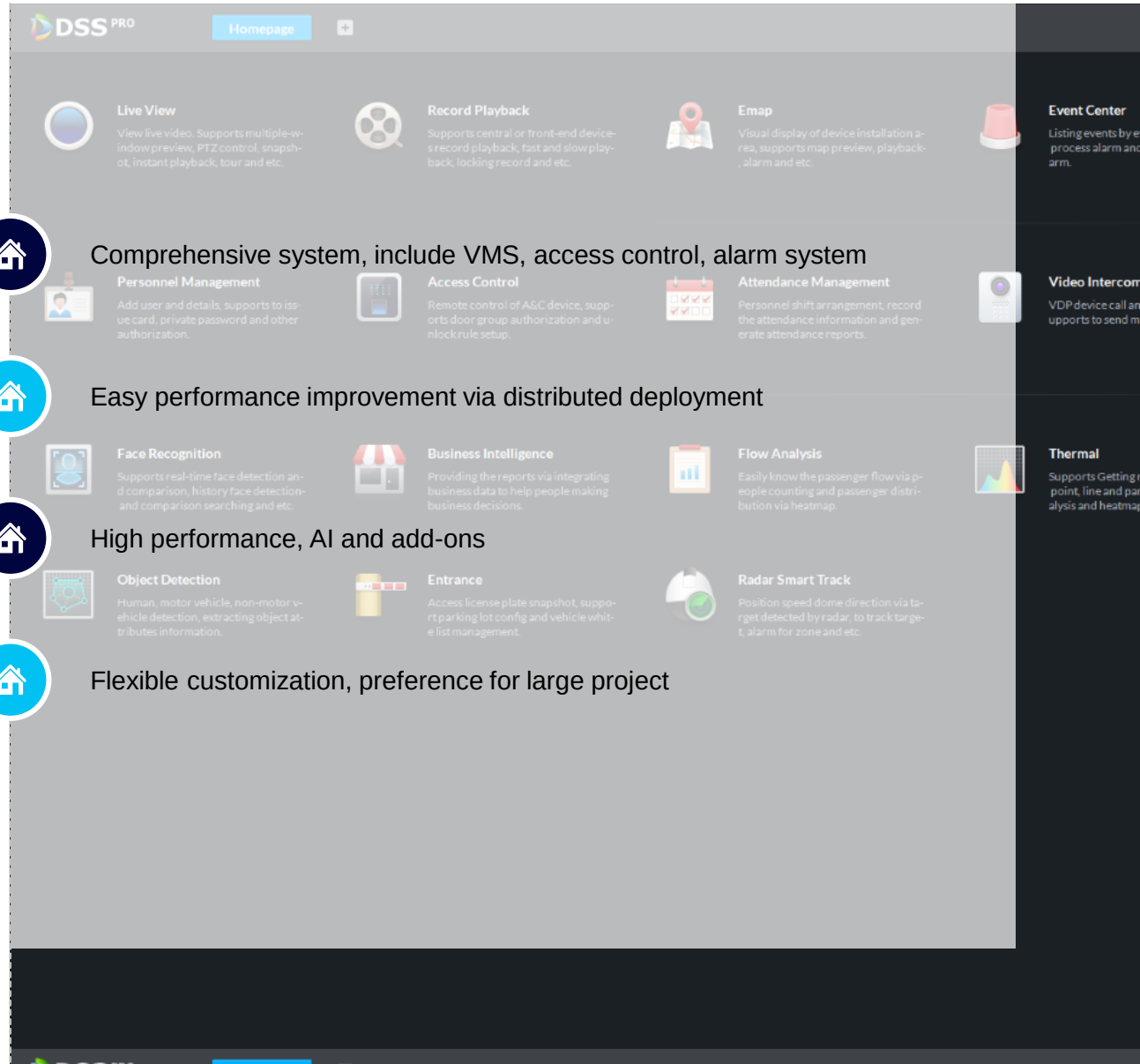


Comprehensive — Comprehensive system, include VMS, access control, alarm system

Expandable — Easy performance improvement via distributed deployment

Powerful — High performance, AI and add-ons

Customizable — Flexible customization, preference for large project



DSS7016-S2

Second generation product

Linux-optimized DSS Pro without add-ons

All-in-one

Convenient

Fixed selection and no license required

Flexible storage

Up to 15 3.5″ HDD, each HDD can be up to 8TB.

It also can be extended to 200TB for center storage via IPSAN

Multiple scenarios

Casino, Safety Town

/03

Selection

Selection

What do we choose in selection

Server

License

Storage

Others

Selection for server

R230 (With Win10 IOT)

- >Intel(R) Xeon(R) E3-1220 v5 3.0GHz, 8Mcache,4C/4T, turbo (80W)
- > Win10 IOT
- > 8GB UDIMM, 2133MT/s , ECC
- >2 network ports
- >Built in 1, 1TB 7.2K RPMSATA Entry 3.5in Cabled Hard Drive，up to 2, 3.5 Cabled Hard Drives
- >Single, Cabled Power Supply, 250W
- >No Operating System
- >2/4 -Static Post Static Rails
- >No RAID

R440 (With Win Server 2008)

- >Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s , 14M Cache, Turbo, HT (85W) DDR4-2400
- >Win Server2008
- > 16GB RDIMM 2133MT/s, Single Rank,
- >Built in 1, 1TB 7.2 RPM NLSAS 6Gbps 2.5in Hot-plug Hard Drive, up to 8, 2.5in Cabled Hard Drives
- > 4 network ports
- >Dual, Hot-plug, Redundant Power Supply (1+1), 550W
- >iDrac9, Express
- >Ready Rails(TM) Static Rails for 2/4-post Racks
- >PERC H330+ RAID Controller, Adapter, Low Profile

Selection for License

Base License (2.9.03.01.10011)

- You have to buy a base license, even if there are very few channels
- Base License includes 64 video channels, 2 LPR channels, 2 FR channels, 2 POS channels, 2 alarm control devices, 64 access control doors, 128 VDP rooms, 4 attendance points

Channel License

- Based on the basic package, the system capacity can be expanded by purchasing the number of different attribute channels
- For example, **if there are 128 video channels, a base license and 64 video channels need be purchased.**

Add-on Module

- DHI-DSSPro-BI-Module
- DHI-DSSPro-Traffic-Module
- DHI-DSS-Hot Standby-License

Selection for storage

There are 2 performance peaks in a single Pro

Bandwidth (600 Mbps)

- If all channels need be stored by DSS, bandwidth must no more than 600Mbps
- Bandwidth can be expanded by distributed
- You have to consider 2 factors, bit rate and channel number(forward + storage)

Storage capacity (200TB)

- If all channels need be stored by DSS, storage capacity must no more than 200TB
- Storage capacity can be expanded by distributed
- You have to consider 4 factors, bit rate, channel number(forward + storage), duration, raid.

Selection for others

More

Service makes the product do better

Software Support & Upgrading Service

2.0.03.01.0299

Custom Development Service

2.2.01.99.10100

Selection case

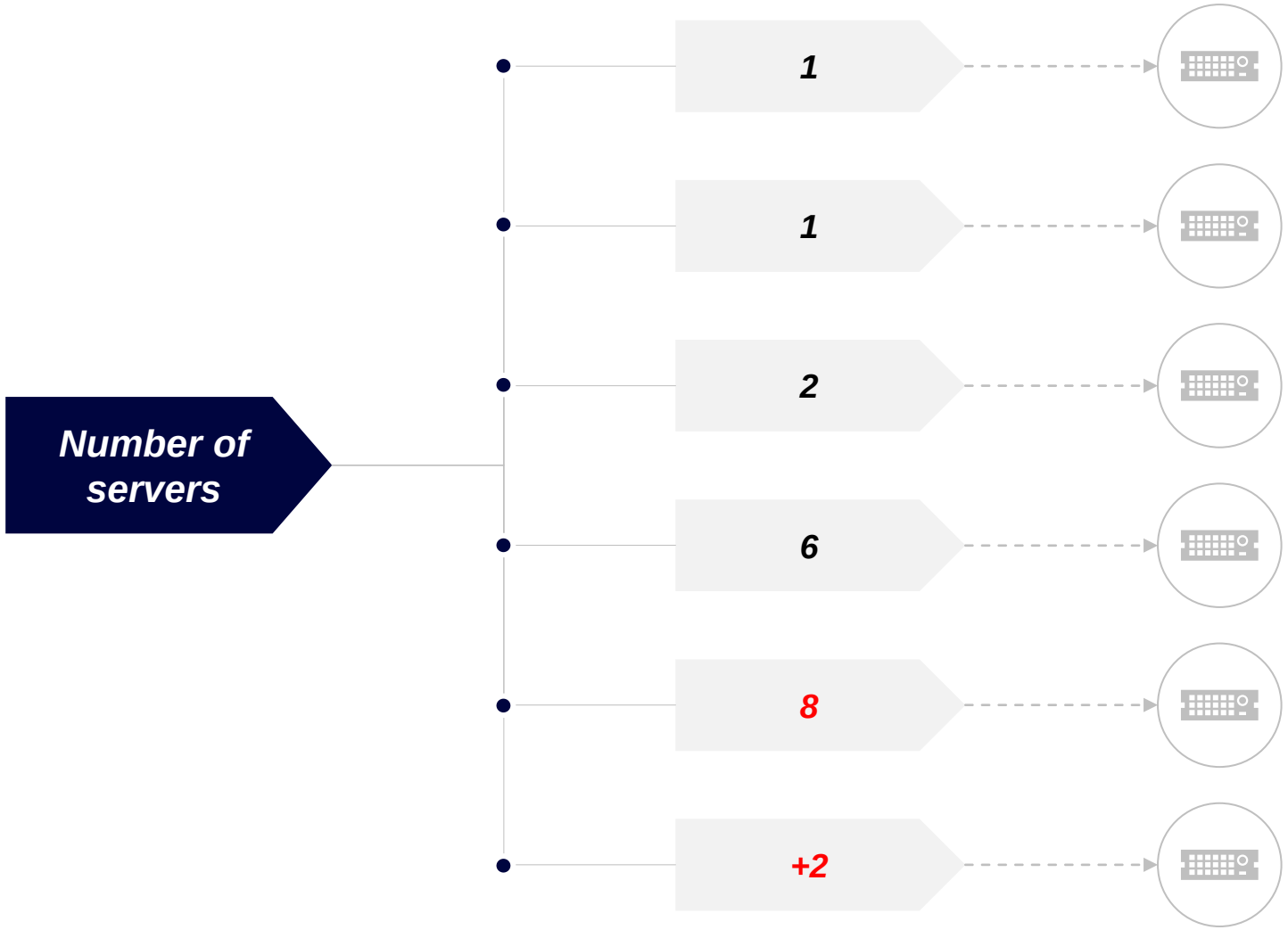
I get a project like this,
How should I make a selection?

Project requirements

- ✓ The project has 800 HD IPC(1080P) connect to DSS directly. The bit stream of IPC is 4Mbps.
- ✓ 7days X 24 hours, Central Storage
- ✓ 20DSS Clients, each client has 8 channels with mainstream to view video at same time
- ✓ Decode 100 channels with mainstream to video wall at same time.
- ✓ Stability: Hot standby

800	7 x 24	20 x 8	100
Channels	**Storage**	**Live view**	**Video wall**

Selection case



Access Device Capacity

800/1000=1

Video channel Capacity

800/2000=1

Storage Capacity

800*4*3600*24*7/8/1024/1024=231TB
231/200=2

Storage Bandwidth

800*4/600=6

Forward Bandwidth

3200+20*4*8+100*4=4240Mbps；
4240/6=8

Hot standby

Need extra 2 servers

Selection case

Product Name	Quantity
R440 (With Win Server 2008)	10
DHI-DSSPro-Base-License	1
DHI-DSSPro-Video-License	736

/04

New in Q4

New Base License

Product	PN	Model	Specification
Video	2.9.03.01.10040	DH-DSSPro-Base-Video-License	DSS Pro base package license with 64 video channels
	2.9.03.01.10012	DH-DSSPro-Video-License	Video channel license, one channel per one license
LRP	2.9.03.01.10041	DH-DSSPro-Base-LPR-License	DSS Pro base package license with 2 LPR channels
	2.9.03.01.10016	DH-DSSPro-LPR-License	LPR channel license, one channel per one license, contain basic cctv function
FR	2.9.03.01.10042	DH-DSSPro-Base-FR-License	DSS Pro base package license with 2 FR channels
	2.9.03.01.10015	DH-DSSPro-FR-License	Face Recongition channel license, one license per one channel, contain basic cctv function
Door	2.9.03.01.10043	DH-DSSPro-Base-Door-License	DSS Pro base package license with 64 access control doors
	2.9.03.01.10013	DH-DSSPro-Door-License	Access Control channel license, one channel per one license
POS	2.9.03.01.10044	DH-DSSPro-Base-POS-License	DSS Pro base package license with 2 POS channels
	2.9.03.01.10014	DH-DSSPro-POS-License	POS channel license, one channel per one license
Attendance	2.9.03.01.10045	DH-DSSPro-Base-Attendance-License	DSS Pro base package license with 4 attendance points
	2.9.03.01.10030	DH-DSSPro-Attendance-License	Attendance Station License, one station per license
VDP	2.9.03.01.10046	DH-DSSPro-Base-VDP-License	DSS Pro base package license with 128 VDP rooms
	2.9.03.01.10017	DH-DSSPro-VDP-License	VDP device license, one device per one license
Alarm	2.9.03.01.10048	DH-DSSPro-Base-Alarm-License	DSS Pro base package license with 2 Alarm controller devices
	2.9.03.01.10018	DH-DSSPro-Alarm-License	Alarm controller license, one device per one license
Cascade	2.9.03.01.10049	DH-DSSPro-Base-Cascade-License	DSS Pro base package license with 2 subsites
	2.9.03.01.10047	DH-DSSPro-Cascade-License	Cascade license, one subsite per license
Complex	2.9.03.01.10011	DH-DSSPro-Base-License	Base license for DSS Pro, contains 64 video channels, 2 LPR channels, 2 FR channels, 2 POS channels, 2 alarm control devices, 64 access control doors, 128 VDP rooms
Add-on	2.9.03.01.10021	DH-DSSPro-BI-Module	License for Business Intelligence module
	2.9.03.01.10020	DH-DSSPro-Traffic-Module	License for Traffic module.
	2.3.01.01.10131	DH-DSS-HotStandby-License	License for Hotstandby

Activation Process of DSS Pro (In trial)

Step1

Apply for a trial

- Login our website: https://www.dahuasecurity.com/user/login
- Visit our product page: https://www.dahuasecurity.com/products/productDetail/35647
- Click “Ask for DEMO”

Step2

Receive the license key via email

- Check your email 2 or 3 working days after your application

Step3

Activate the license online or offline

- Input the license you received to activate online
- Input the license you received and export the request file offline, and then import the request file to our website to activate

License Key

Trail Key

License Details

Product: DSS Pro
License Key: 4E94-C28C-BC93-5BE5
Expired Date: 2019-11-19
Country Name: Russian Federation
Company Name: univ
Email Address: alilo1987@mail.ru

License Details

Product: DSS Pro
License Key: [illegible]
Expired Date: 2049-10-10
Country Name: 海外营销中心/西欧区/荷兰代表处 [illegible]
Company Name: OSEC B.V.
Email Address: [illegible]

Official Key

Thanks
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