

DHI-IVSS7008

8 HDD Intelligent Video Surveillance Server



- Intel Quad-core Processor
- Up to 8 Channel Back End Face Recognition (Optional)
- Up to 12MP Resolution for Preview and Playback
- 8 SATA HDDs
- Supports RAID 0/1/5/10

System Overview

IVSS is first AI NVR product of Dahua. It is an Intelligent Video Surveillance Server that combines video management functions with traditional video storage operations in one device. Besides the basic functions like video recording, live view and playback, IVSS is integrated with features such as face detection, face recognition for different business and industrial applications.

With optional deep learning card, IVSS series products adopt video image structuring technology based on deep learning algorithms, achieving high-precision human face analysis, comparison, retrieval, storage, and management. An all new UI design supports device operation and maintenance management, improving the value and experience of surveillance view, and servicing the era of security big data.

Functions

4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback. 3 HDMI different source video output.

Face Recognition (Optional)

Real time face recognition by IVSS. Configurable multiple face databases. Structured data storage of gender, age, emotion, glasses, hat, mask. Structured data operations and maintenance. Precisely retrieve and face search by features, pictures, video and structured data. Improves rapid video retrieval and image search capabilities. Real time comparison and alarm linkage.

RAID 0/1/5/10

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features Fruitfull RAID 0/1/5/10 for faster and safer recording.

Technical Specification

System

Main Processor	Intel Quad-core Processor
Memory	8GB, up to 32GB
Operating System	Embedded LINUX

Audio

Two-way Talk	1 audio input, 2 audio output, RCA
--------------	------------------------------------

Display

Interface	3 HDMI (up to 3840 x 2160 , Different Source), 2 VGA (up to 1920 x 1080)
Resolution	3840 x 2160 , 1920 x 1080 , 1280 x 1024, 1280 x 720
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording

Compression	H.265/H.264/MJPEG/MPEG4
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P etc.
Record Mode	Schedule (Regular, Alarm)

Video Detection and Alarm

Trigger Events	Recording, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Tampering
Alarm input	16 Channel
Relay Output	8 Channel
Tracking Trigger Event	Zoom, Recording, Preset, Snapshot, Alarm, etc.

Playback and Backup

Search Mode	Time /Date, Event, MD and Exact Search (accurate to second)
Backup Mode	USB Device/Network

Third-party Support

Third-party Support	AXIS, Panasonic, Sony
---------------------	-----------------------

Network

Interface	4 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
Network Function	HTTP, HTTPS, TCP/IP, UDP, IPv4, NTP, DHCP, DNS, IP Filter, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Interoperability	ONVIF 2.4, SDK, CGI

Storage

Internal HDD	8 SATA HDDs, Up to 10 TB capacity for each HDD
HDD Mode	Single, Raid 0/1/5/10(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)

Auxiliary Interface

USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)
RS232	1 Port, for PC Communication
RS485	1 Port, for PTZ Control

Electrical

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<100W (Without HDD)

Environmental

Operating Conditions	0°C ~ +50°C (+32°F ~ +122°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	2U, 440mm x 446.2mm x 90.8mm (17.32" x 17.57" x 3.57")
Net Weight	8.55kg (18.85lb) (without HDD)
Installation	Standard 19-inch Rack-mounted

Certifications

CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

Ordering Information

Type	Part Number	Description
IVSS	DHI-IVSS7008	8 HDDs Intelligent Video Surveillance Server
Accessories	TX_SLOT_2_1	4 channel Deep Learning Card
	TX_SLOT_2_2	8 channel Deep Learning Card