

DHI-IVSS7012

2U 12HDD AI Network Video Recorder



- Intel dual-core processor
- · Max 400Mbps incoming bandwidth
- 128 Channel IP video access
- Supports RAID 0/1/5/6/10
- 3HDMI/2VGA video output
- · Optional redundant power



DeepSense series products adopt the most advanced AI technologies, including deep learning algorithms that primarily target people and vehicles, which provides higher flexibility and accuracy for end-users. This enables the Dahua DeepSense series to offer various advanced applications such as Face Recognition, ANPR, Metadata, People Counting, traffic data statistics, etc.

The complete lineup of Dahua DeepSense includes network (PTZ) cameras, network video recorders, servers, and platform management products. Beyond seeing the world, the power of AI allows devices to perceive the environment and understand the world in a better way.

Functions

Real Time Face Detection&Recognition (with AI camera)

Show real time face detection and recognition result from AI camera. Record faces with structured data. Facial feature filtering while real time display, only show faces with target features. Facial features including gender, age, expression, etc. Configurable settings for face detection and recognition events to trigger alarm, buzzer, snapshot, record, etc.

System Overview

Dahua IVSS goes beyond the ordinary NVR products. It is an Intelligent Video Surveillance Server combines video management functions with traditional video storage operations in one device. Besides the basic functions as network video recorder, IVSS is integrated with features such as face detection, face recognition for different business and industrial applications. Allowing users to focus on what matters most, improve event response time and help make video actionable.

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.



Technical Specification		Third-party Support		
System		Third-party Support	AXIS, Panasonic, Sony, etc.	
Main Processor	Intel Dual-core Processor	Network		
Memory	8GB, up to 32GB	Interface	4 RJ-45 Ports (10/100/1000Mbps)	
Operating System	Embedded LINUX	Network Port Mode	Independent Ethernet Ports, Load Balance, Fault-	
Artificial Intelligence (with AI camera)			Tolerance, Link Aggregation HTTP, HTTPS, TCP/IP, UDP, RTSP, IPv4, NTP, DHCP,	
Face Recognition	Show face recognition result from AI camera	Network Function	DNS, IP Filter, IP Search (Support Dahua IP camera, DVR, etc.), P2P	
Face Detection	Show face detection result from AI camera	Interoperability	ONVIF 2.4, SDK	
Metadata	Record sturctured data of gender, age, expression, glasses, moustache, mouth mask information.	Storage		
Trigger Events	Buzzer, snapshot, recording, etc.	Internal HDD	12 SAS/SATA HDDs, Up to 10 TB capacity for each HDD, Independent HDD bracket, hot-swap	
Audio and Video		HDD Mode	Single, Raid 0/1/5/6/10(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare	
IP Camera Input	128 Channel	eSATA	1 eSATA Port (Please contact technical engineer to	
Two-way Talk	1 audio input, 2 audio output, RCA	SAS	confirm the compatible device) 1 miniSAS Port	
Display		Auxiliary Interface	ThinisAsTore	
Interface	3 HDMI, 2VGA	•	AUSD 3 0 Darets	
	HDMI1/2/3:3840 ×2160,1920 ×1080,1280 ×1024, 1280 ×720	USB	4 USB 3.0 Ports	
Resolution	VGA1/2:1920×1080,1280×1024, 1280×720	RS232	1 Port, for PC Communication	
Decoding Capability	20-ch@1080P(30fps)	RS485	1 Port	
Multi-screen Display	Up to 36 split for each screen	Electrical		
OSD	Camera title, Time, Motion detection, Recording	Power Supply	AC100V ~ 240V, 50 ~ 60 Hz, Hot-swap, Single (Optional Redundant Power Supply)	
	curier attac, rime, modern detection, recording	Power Consumption	<110W (Without HDD)	
Recording		Environmental	Environmental	
Bandwidth	320Mbps	Operating Conditions	0°C ~ +45°C (+32°F ~ +113°F), 86 ~ 106kpa	
Compression	H.265/H.264/MJPEG/MPEG4	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, etc.	Construction		
Record Mode	Schedule (Continuous, Event)	Dimensions	2U, 447.6mm x 558.2mm x 87mm (17.62" x 21.98" x 3.43") (without ear)	
Video Detection ar Trigger Events	Recording, Snapshot, Buzzer, etc.	Net Weight	14kg (30.86 lb) (without HDD)	
Video Detection	Motion Detection, MD Zones: 396 (22 × 18); Tampering	Installation	Standard 19-inch Rack-mounted	
Alarm input	16 Channel	Certifications		
Relay Output	8 Channel	CE	EN55032, EN55024, EN50130-4, EN60950-1	
Playback and Backup		FCC	Part 15 Subpart B, ANSI C63.4-2014	
Sync Playback	Up to 16ch sync playback, 64Mbps playback bandwidth			
Search Mode	Time / Date, Video Detection, Face and Exact Search (accurate to second)			
Backup Mode	USB Device/Network			

DeepSense series | DHI-IVSS7012

Ordering Information				
Туре	Part Number	Description		
IVSS	DHI-IVSS7012	2U 12HDD Intelligent Video Surveillance Server		
IVSS	DHI-IVSS7012R	2U 12HDD Intelligent Video Surveillance Server with Redundant Power		
Relevant Products	DH-IPC-HF8242F-FD	2MP Starlight Face Detection Box Network Camera		
	DH-IPC-HF8242F-FR	2MP Starlight Face Recognition Box Network Camera		

Relevant Products



DH-HF8242F-FD/FR

Dimensions(mm)







