

# DHI-FSU2204H

## Environment Surveillance Server



### System Overview

FSU2204H series products are multi-functional environment surveillance servers based on the Internet of Things networking. It integrates video and audio codec, storage, two-way audio, analog data acquisition, RS-232/485 communication, and alarm input and output. The Device supports max. 2 IPC channel access and playback, and H.265 encoding for live view, video storage, video playback, and more. Devices such as UPS, switched-mode power supply, smart access controllers, smart meters, and detectors on dust, noise, wind speed and direction, temperature and humidity can be connected to the server.

### Scene

It realizes surveillance of various environmental factors, and is applicable to scenarios involved with energy, natural gas, factories and mines, telecommunications, power, agriculture, transportation, warehousing, and water conservancy.

### Technical Specification

#### Input and Output

Alarm Input	4
Alarm Output	4

#### Port

Screen	Built-in LDC dot-matrix display: 2 lines and 8 characters for each line. Supports status search and modifying IP.
Network Port	1 × RJ-45 10/100 M self-adaptive Ethernet port
USB	1 × USB2.0 port
Storage Battery	1 × storage battery port
Analog Quantity	4 channels (4–20 mA or 0–5 V); FS accuracy is within 1%
RS-232	2 × RS-232 ports, can be used as RS-485.
HDD Interface	1 × 2.5-inch built-in SATA hard drive. Up to 10 TB per drive. Used for recording storage.

- Supports 4-ch wired zone alarm input and NO/NC detector connection.
- Supports 4-ch relay output and forced on/off and auto control.
- Supports 4-ch local analog input (4–20 mA, 0–5 V); FS accuracy is within 1%.
- Real-time data monitoring of analog quantity, and over-threshold alarm linkage.
- 4-ch RS-485 data communication port. Alpha channel is supported with a sending/receiving speed of 300 bytes each time.
- RS-485 channel supports expandable virtual slots. The number of virtual slots differs with each configured device type. Up to 20 virtual slots are accessible for each channel.
- 2-ch RS-232 data communication port. Alpha channel is supported. The port can be used as RS-485.
- Supports 2-ch 1080p or 4-ch 720p video accessible and video overlay function.
- 1-ch 2.5-inch SATA hard drive built-in interface. Up to 10 TB per drive. Used for recording storage.
- 6-ch 12 VDC power supply output port. Max. output power is 24 W. Used for power supply of peripherals.
- Video overlay: Up to 8 lines and 16 characters for each line. Displays different data in different colors.
- 50,000 logs, including alarm events, telemetering data, operation logs, and data/time.
- Supports remote web visit, searching for and configuring peripherals, and fast configuration.
- Export/Import analog quantity, RS-485 configuration, and point configuration through the web client.

SD Card	1 × Micro SD card (32 G) (optional)
Indicator Light	4 × function indicators (power, status, 4G, and disk)
Button	2 × function buttons and 1 × reset button
RS-485	4 channels. Up to 20-channel detectors of the same type can be connected
Buzzer	1 × built-in buzzer

#### Audio and Video

Video Input	2 × 1080p or 4 × 720p videos
Video Compression	H.264; H.265
Audio Input	1 × audio input

Audio Output	1 x audio output (used as voice talk as well)
Two-way Audio	Two-way voice talk
Voice Broadcast	Supports audio in MP3, PCM and WAV format. Supports alarm and audio linkage.
Audio Compression	G.711a

**Function**

Auxiliary Power Output	6 x 12 VDC auxiliary power output; total power: 24W
Network Protocol	PPTP, L2TP, DHCP, UPNP, NTP and other network protocols
Remote Update	Web remote update
Communication Protocol	Modbus-RTU, Modbus-ASCII, 1363, Modbus-TCP and other peripheral protocols.
OSD Overlay	Video overlay: Up to 8 lines and 16 characters for each line. Displays different data in different colors.
Video Linkage and Snapshot	Yes
High-frequency Alarm Filter	Yes
Alarm Linkage Filter	Yes
FTP server	Supports building FTP server to facilitate storing/reading of the device SD card through FTP
Log	Supports 50,000 logs, including alarm events, telemetering data, operation logs, and data/time
Power Failure Protection for Configured Parameters	Yes
Search Remote Alarm Event	Yes
User Management	64 remote users
Access Configuration	Supports remote web visit, searching for and configuring peripherals, and fast configuration
VPN Network Configuration	Layer two tunneling protocol (PPTP and L2TP)
Function	Supports alarm output linkage settings
Language	English

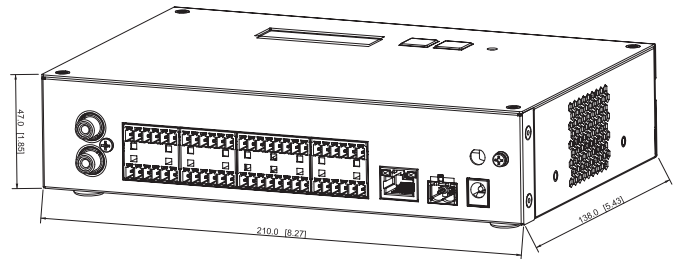
**General**

Power Supply	12 VDC, 8-48 VDC
Power Consumption	Idling: 15 W Full load: 60 W
Operating Environment	-10 °C to +55 °C (+14 °F to +131 °F) 10%–90% (RH)
Product Dimensions	210 mm x 138 mm x 47 mm (8.27" x 5.43" x 1.85") (L x W x D)
Packaging Dimensions	255 mm x 207 mm x 144 mm (10.04" x 8.15" x 5.67") (L x W x D)
Installation	Wall mount
Net Weight	0.85 kg (1.87 lb)
Gross Weight	1.52 kg (3.35 lb)

**Ordering Information**

Type	Model	Description
Environment Surveillance Server	DHI-FSU2204H	Dahua Wired FSU

**Dimensions (mm[inch])**



**Application**

