DHI-FSU6808U-F

Environment Surveillance Server

- 16 alarm input ports for protection zones with detectors typed normally open or normally closed
- 8 relay output ports for forced on/off, and automatic control of peripherals
- 8 local analog input ports with 4mA–20mA or 0V–5V, and full scale accuracy is within 0.5%
- 8 RS–485 data communication ports, each port can connect up to 20 detectors of the same type
- 2 RS–232 data communication ports, can be converted to RS-485
- 16-channel 720P or 8-channel 1080P digital video access, OSD overlay supported
- 1-channel two-way audio
- 4 10/100 Mbps self-adaptive RJ–45 network ports with switch function
- 1 Gigabit SFP optical port, supporting RSTP protocol for FDDI networks to enhance network transmission safety
- Support 2 built-in 3.5-inch SATA hard disk drives with max. 10T capacity each for video storage
- Data and video upload with TCP/IP
- Alarm by SMS, 5 phone numbers can be added
- OSD overlay on videos with up to 8 lines of information and max. 16 characters for each line. Color is adjustable for different information types
- Snapshot linkage for alarm events
- Record max. 50,000 logs with specific time including alarm events, telemetering data, and operation logs
- Device remote access, query, peripheral configurations, and configuration wizard on web manager
- Power supply by –48V DC, +12V DC, or 12–48V DC

System Overview

FSU6808U series products are multi-functional environment surveillance servers that integrate video and audio codec, storage, two-way audio, analog input acquisition, RS–232/485 communication, and alarm input/output (digital). It supports 8-channel 1080P IPC access and video playback, HDMI output, and H.265 encoding to realize live view, video storage, video playback, and more. Combined with devices such as UPS, switching power supply, access control, smart meters, and temperature and humidity sensors, it is applicable for comprehensive surveillance of factories, machine rooms, base stations, smart substations, IDC data centers, and more.

Technical Specification

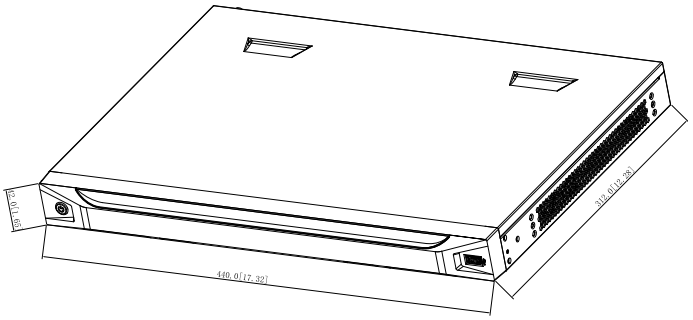
Alarm Input Port	16
Alarm Output Port	8
Network Port	4 RJ–45 10M/100 Mbps Ethernet ports
Network Mode	4G
USB Port	1 USB 2.0, mouse operations supported
Battery	One 12V DC 7Ah battery can be installed
Analog Input Port	8 input ports with 4mA–20mA or 0V–5V, and full scale accuracy is within 0.5%
RS–232 Port	2, can be converted to RS–485 ports
Optical Fiber Port	1 Gigabit SFP optical fiber port
HDD	Support 2 built-in 3.5-inch SATA hard disk drives with max. 10T capacity each for video storage
SD Card Slot	1, 32 GB micro SD card (not provided)
Indicator Light	6 functional indicator lights for power, device running status, network, 4G, and two hard disk drives
Button	1 restart button
RS–485 Port	8 ports, each port can connect up to 20 detectors of the same type
Buzzer	1 built-in on-board buzzer
Video Input	8-channel 1080P or 16-channel 720P digital videos
Video Output	1 HDMI output port, GUI display supported
Video Compression	H.264/H.265
Audio Input Port	1
Audio Output Port	1, multiplexed with two-way audio
Two-way Audio	1-channel

Voice Broadcast	In MP3, PCM, WAV formats; support voice broadcast linkage for alarm events
Audio Compression	G.711a
Alarm by SMS	Yes
Auxiliary Power Output Port	1, 12V DC/2A
Network Protocol	Point-to-Point Tunneling Protocol (PPTP), Layer 2 Tunneling Protocol (L2TP), Dynamic Host Configuration Protocol (DHCP), Universal Plug and Play (UPNP), Network Time Protocol (NTP), and more
Remote Upgrade	Remote upgrade through web manager
Peripheral Protocol	Modbus-RTU, Modbus-ASCII, 1363, Modbus-TCP, and more
OSD Overlay	OSD overlay on videos with up to 8 lines of information and max. 16 characters for each line. Color is adjustable for different information types.
Video Linkage and Snapshot	Yes
High-frequency Alarm Filter	Yes
Alarm Linkage Filter	Yes
FTP Server	Support FTP server to read and write data stored on the SD card
Log	Record max. 50,000 logs with specific time including alarm events, telemetering data, and operation logs
Power Failure Protection for Parameter Configuration	Yes
Search Remote Alarm Event	Yes
User Management	Max. 64 user connections
Access Configuration	Device remote access, search, peripheral configurations, and configuration wizard on web manager, one-off configurations and maintenance
VPN Network Configuration	Support Point-to-Point Tunneling Protocol (PPTP), and Layer 2 Tunneling Protocol (L2TP)
Function	Siren and alarm output configurations
Language	Chinese and English
Power Consumption	No load: 15W Full load: 60W
Operating Environment	–10°C to +55°C (+14°F to +131°F) 10%RH–90% (RH)
Product Dimensions	440.0 mm × 312.0 mm × 42.0 mm (17.32" × 12.28" × 1.65") (L × W × H)
Packaging Dimensions	536.0 mm × 402.0 mm × 140.0 mm (21.10" × 15.83" × 5.51") (L × W × H)
Installation	Wall/Rack mount
Net Weight	3.3 kg (7.28 lb)
Gross Weight	5.3 kg (11.28 lb)

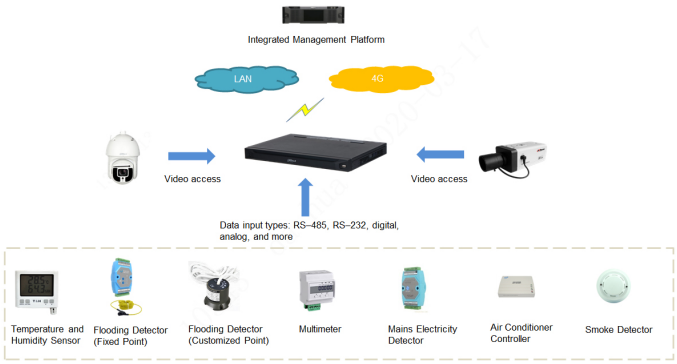
Ordering Information

Type	Model	Description
Environment Surveillance Server	DHI-FSU6808U-F	Environment Surveillance Server

Dimensions (mm/inch)



Application



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