

Network Digital Video server

Technical Manual

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1. Overview

FUJIKAM Company network digital video server (FI-4484V) is newly designed especially for remote surveillance. It adopts the embedded MCU and Linux OS, which is completely independent of PC platform, making the product more steady and reliable.



FI-4484V Front Panel



FI-4484V Rear Panel

2. Model Description

FI-4484V: 4 channels video input and 4 channels audio input. Each channel can max support CIF compression resolution real time.

Note: The defaulted DVS is without HDD.

3. Features

3.1 Compression

- Embedded Linux OS
- TI DaVinci hardware compression
- H.264 video compression algorithm and each channel can be real time (PAL is 25FPS and NTSC is 30FPS).
- Support CIF/QCIF compression resolution real time.

3.2 Local Functions

- Support multi-zone motion detection
- Support sensitive areas mask function
- Support video signal loss alert
- Support variable bit rate and variable frame rate
- Support position changeable OSD&LOGO

3.3 Network

- Support TCP, UTP, RTP, Multicast, DHCP, PPPoE, HTTP, etc.
- Remote parameters setup.
- Remote upgrade DVS firmware.
- Remote control PTZ.
- Support Internet Explore for network preview.
- Remote get alarm information of DVS.

3.4 Others

- Multi-level user management
- Support network voice talk
- Support PTZ remote control
- Support multi-lever user management
- Automatically recovery from exceptions
- Provide SDK and client demo source code

4. Specifications

Model	FI-4484V
Video compression	H.264
Encode/Decode resolution	CIF/QCIF
Video input	4
Video input interface	BNC (1.0Vp-p, 75Ω), support PAL, NTSC
Frame rate (per channel)	CIF: 25(P)/30(N) fps
Stream type	Video /Video &Audio
Support dual stream	Yes
Bit rate	32Kbps~2Mbps adaptive (Max. 8Mbps)
Audio input	4
Audio input interface	BNC (2Vp-p, 1kΩ)
Audio output	1 channel (linear electrical level, 600Ω)
Audio compression	OggVorbis, 16Kbps
Voice talk input	1 channel (2Vp-p, 1kΩ)
Communication interface	1 RJ45 10M/100M Adaptive Ethernet interface, 1 RS232 interface and 1 RS485 interface
Alarm input	4 channels
Alarm output	2 channels
Power supply	12V DC
Power consumption	≤7W
Working temperature	-10℃~+55℃
Working humidity	10%~90%
Size(mm)	45mm(H)*180mm(W)*152mm(D)
Weight	≤3 Kg

PAL: 176×144(QCIF), 352×288(CIF), 704×288(2CIF), 528×384(DCIF), 704×576(4CIF);
NTSC: 176×120(QCIF), 352×240(CIF), 704×240(2CIF), 528×320(DCIF), 704×480(4CIF).