

FMS-3154R

Web-enabled 4-Port Digital Video Server



Features

- Image Capture, Record and Playback on the Same Time
- Distributed Video Server in Cabling Reduction and System Performance Improvement
- Powerful Alarm Management to Secure your Property
- Cost-saving Storage Option with Advanced Recording Technology
- Remote Monitoring from Anywhere at Anytime via Standard Browser
- Provide ActiveX Controls for User Application and Integration with HMI/SCADA Software

Introduction

Advantech FMS-3154R is a power embedded, web-enabled video & audio surveillance solution that helps you remotely monitoring your facilities through browser from anywhere at anytime. FMS-3154R provides powerful surveillance functions that support real-time display, recording, playback and web-enabled remote monitoring and playback simultaneously. It provides an easy way to capture and distribute live images and voices over a network using a standard web browser. FMS-3154R combines control systems by connecting with alarm I/O and plays a role as "eye" for you to get not also data, signals but also images on the same time..

FMS-3154R is equipped with intelligent facility monitoring functions, such as motion detection, and intelligent alarm system, and all above functions can be configured remotely via browser. If any alarms or events happened from motion detection, video loss or sensors connected on FMS-3154R, FMS-3154R can notify or broadcast alarms or events to related people via e-mail and even WAP cell phone, and then you can access or even diagnose the system immediately through browser. Of course, its multi-level password mechanism ensures FMS-3154R a high-degree security system.

Images Capture, Record and Playback on the Same Time

FMS-3154R has four camera inputs that support most popular NTSC/PAL color and/or Black & White cameras. In NTSC format, recording rate is 30fps and resolution is 352 x 240; in PAL format, its 25fps and 352 x 288. FMS-3154R provides four operation modes - they are real-time display, recording, playback and web-enabled remote monitoring, and these four functions can operate at the same time. Its powerful operation modes satisfy your needs in facility surveillance.

Distributed Video Server Solution in Cabling Reduction and System Performance Improvement

FMS-3154R features a unique and powerful function that four FMS-3154R can be cascaded together to become a 16-port digital video server. It reduces the cabling distance to cameras and offers up to 120fps recording rate. The FMS-3154R connected to Ethernet acts as manager server to provide the whole system operation functions of all cascaded servers. Therefore, you can configure, live display and even playback 16 cameras on the manager server.

Powerful Alarm Management to Secure Your Property

FMS-3154R supports multiple alarm resources: alarm input, motion detection, video loss and hard disk full. Each alarm has its corresponding actions, such as notification by e-mail, activating camera recording, activating alarm output and system buzzer. People can handle any urgent situation on time when they got the mail, the control system would take emergency procedure when received the alarm signal from FMS-3154R and the camera would record what's happening for advanced analysis or even a formal evidence.

Cost-saving Storage Option with Advanced Recording Technology

FMS-3154R is a video server with recording function. Adopt the commercial 3.5" IDE type HDD as storage device, and support hot-swap function, FMS-3154R offers you a cost-saving way in large image data backup. FMS-3154R has advanced recording technology in data encryption that only allows to be accessed by authorized users. FMS-3154R supports MPEG-I and JPEG compression algorithm with configurable quality, it optimizes your consideration in image quality and size.

Remote Monitoring from Anywhere at Anytime via Standard Browser

FMS-3154R supports web-based surveillance function that allows you to monitor and playback cameras' image remotely via standard browser from anywhere at anytime. FMS-3154R also supports modem dial-in function over telephone line. It's suitable for the applications that are located in the suburb or retirement without existing Ethernet network.

Provide ActiveX Controls for User Application and Integration with HMI/SCADA Software

FMS-3154R provides ActiveX controls to integrate images into any HMI/SCADA soft wares with ActiveX container function, like Advantech Studio. It can be also used in many development environments, including Visual Basic, Visual C++, Delphi and C++ Builder. FMS-3154R ActiveX controls offer live video display, alarm input, motion detection and video loss access.



Hardware Specifications

- **Video Format:** NTSC/EIA or PAL/CCIR (auto-sensing)
- **Video Input:** 4 camera inputs (BNC), 1 Vpp/75ohm
- **Video Output:** 1 VGA monitor output, D-Sub 15 pin
- **Video Compression:** JPEG and/or MPEG-1
- **Video Resolution:** 352 x 240 (NTSC) or 352 x 288 (PAL)
- **Video Display:** 16 million true color, 640 x 480 for NTSC, 800 x 600 for PAL
- **Audio:** 1 microphone input, 1 speaker output
- **CompactFlash Memory:** 64 MB for system files
- **Alarm Input:** 4 relay inputs (NC, NO)
- **Alarm Output:** 4 relay outputs (2 NC, 2 NO)
- **Motion Detection:** Yes, 16 (width) x 12 (height) matrix with configurable detection area & sensitivity
- **Video Loss Detection:** Yes
- **HDD Full Detection:** Yes
- **Event Log:** Yes
- **Hard Disk Storage:** Support standard 3.5" half height, IDE type HDD. Support hot-swap function.
- **Recording Rate:** Up to 30/25 fps for NTSC/PAL

- **Recording Mode:** Continuous/Time-lapse/Event recording
- **Playback Rate:** Up to 30/25 fps for NTSC/PAL
- **Playback Search:** Data/Time, Alarm, Motion search
- **User Interface:** Windows-like Graphic User Interface
- **User Input Device:** Mouse (default) & Keyboard (optional)
- **Watch Dog Timer:** Yes
- **Title:** 10-character title generator for each camera, alarm input, and alarm output
- **Sequential Switch:** Programmable, with adjustable dwell time (5-100 seconds)
- **Security:** Multi-level password protection, Encrypted transmission for data protection
- **System Protection:** Auto power on after power loss recovery
- **Web-based Remote Access:** Internet Explorer/Netscape with JAVA support.
- **E-mail Notification:** Support up to 8 people (160 x 120 BMP format, true color) and WAP cell phone (80 x 60 GIF format, 256 colors)
- **Network Protocol:** HTTP, SMTP, TCP/IP, ICMP, ARP
- **Fast Ethernet:** 2 RJ45 connectors, one for upward communications and one for cascading other FMS-3154R.
- **Dial-in:** Support modem dial-in function for remote surveillance
- **RS-232:** Two RS-232 connectors
- **Archive:** 2 x USB ports, support CD-RW Drive and color printer (HP/EPSON)
- **Software Upgrade:** Downloadable
- **Power Source:** 24 V_{DC}
- **Power Consumption:** 36 W
- **Weight:** 2.7 KG/5.94 LB

Dimension:

- **FMS-3154R:** 256 mm (L) x 178 mm (W) x 88 mm (H)
- **Operating Temperature:** 0° - 45°C (32 - 113°F)

Ordering Information

- **FMS-3154R**
Web-enabled 4-Port Digital Video Server

WebLink
WebOIT

1

IPPC &
AWS

2

TPC

3

FPM

4

IPC

5

INET

6

DA&C

7

ADAM-
3000

8

ADAM-
4000

9

ADAM-
5000

10

ADAM-
6000

11

Software

12

UNO-
2000

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FMS-
3000

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