

FMS-3154R

Web-enabled 4-port Digital Video Server



Features

- Linux-based stand-alone digital video recorder with highly reliability and robustness
- Simultaneous video capture, record and playback
- Distributed video server for cabling reduction and system performance improvement
- Powerful alarm management for increased security
- Cost-saving storage option with advanced recording technology
- PTZ camera control function
- Remote monitoring from anywhere at anytime via standard browser

Introduction

Advantech's FMS-3154R is a powerful embedded, web-enabled, video & audio surveillance solution that helps to remotely monitor facilities through a browser from anywhere at anytime. Powerful surveillance functions support real-time display, recording, playback and web-enabled remote monitoring and playback, simultaneously. FMS-3154R provides an easy way to capture and distribute live images and voice video over a network using a standard web browser. The FMS-3154R combines control systems by connecting with alarm I/O to not only get data signals, but also video surveillance at the same time.

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, support full screen function in display mode
- **Audio** 1 microphone input, 1 speaker output
- **CompactFlash Memory** 64 MB for embedded Linux OS and system programs
- **Alarm Input** 4 relay inputs
- **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** Video data recording. Supports standard 3.5" half height, IDE type HDD. Supports 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. Each level has 5 accounts
- **System Protection** Auto power-on after power loss recovery
- **Web-based Remote Access** Internet Explorer/Netscape with JAVA support.
- **E-mail Notification** Supports up to 8 users (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, and ARP
- **Fast Ethernet** 2 RJ45 connectors, one is for communications and one is reserved
- **Dial-in** Supports modem dial-in function for remote surveillance
- **RS-232** Two RS-232 connectors for modem dial-in function and PTZ camera control
- **Archive** 2 x USB ports, supports data backup to CD-RW/DVD-RAM, ZIP, USB HDD and image printing to HP/EPSON color printer
- **Software Upgrade** On-line upgrade via FTP server or browser remotely
- **Power Source** 24 V_{DC}
- **Power Consumption** 36 W
- **Weight** 2.7 kg (5.94 lb)
- **Dimensions (W x H x D)** 416.7 x 44 x 237.4 mm (16.4" x 1.7" x 9.3")
- **Operating Temperature** 0 - 45° C (32 - 113° F)

Ordering Information

- **FMS-3154R** Web-enabled 4-port Digital Video Server with recording capability

Feature Details

The FMS-3154R is equipped with intelligent facility monitoring functions, such as motion detection, and an intelligent alarm system. If an alarm or event occurs from motion detection, video loss or from other sensors connected to the FMS-3154R, the FMS-3154R can notify or broadcast alarms or events to relevant people via e-mail and even WAP cell phones. You can access the system immediately through a browser. Of course, multi-level password protection ensures that the FMS-3154R maintains a high-degree of security.

Simultaneous Image/Video Capture, Record and Playback

The FMS-3154R has four camera inputs that support the most popular NTSC/PAL color and black & white cameras. The FMS-3154R provides four operation modes: real-time display, record, playback and web-enabled remote monitoring. These four functions can all operate at the same time. These powerful operation modes satisfy most facility surveillance needs.

Powerful Alarm Management for Increased Security

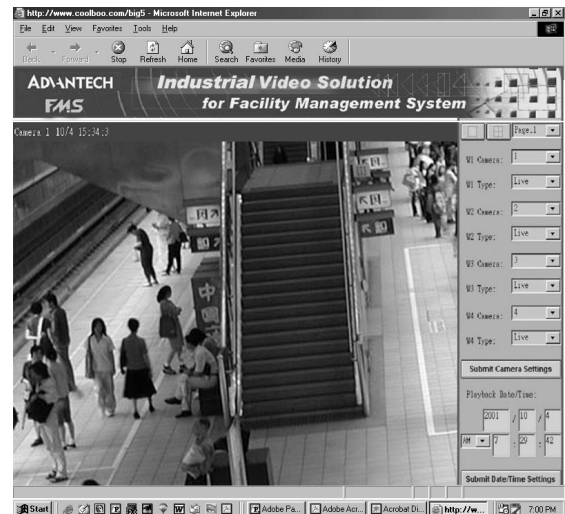
The FMS-3154R supports multiple alarm resources: alarm input, motion detection, video loss and hard disk full. Each alarm has its corresponding action, such as notification by e-mail, activate camera recording, or activate alarm output and system buzzer. Users can easily handle alarm events with e-mail notification; the control system takes emergency action as well when receiving an alarm signal from the FMS-3154R. Cameras can be immediately accessed for advanced analysis and even provide formal evidence.

Cost-saving Storage Option with Advanced Recording Technology

The FMS-3154R is a video server with recording functionality. It adopts a commercial grade 3.5" IDE type HDD as storage device, supports hot-swap functionality, and offers a cost-effective solution to manage large file video backups. Advanced recording technology such as data encryption allows access only by authorized users. JPEG compression algorithms are supported with configurable quality, which optimizes image quality and size.

Remote Monitoring from Anywhere at Anytime via a Standard Browser

The FMS-3154R supports web-based surveillance that allows users to monitor and playback multiple camera images remotely via a standard browser from anywhere at anytime. The FMS-3154R also supports a modem dial-in function via telephone lines, making it suitable for applications located in the suburbs or other locations without an existing Ethernet network.



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IPPC & AWS

2

TPC

3

FPM

4

ATM

5

DA&C

6

cPCI

7

ADAM-3000

8

eConnectivity

9

ICOM

10

Software

11

UNO-2000/3000

12

VBOX

13

ADAM-4000

14

ADAM-5000

15

ADAM-6000

16

ADAM-8000