

MPEG-4 Video Server

Micro SD-Card

Recording



Trouble-free MPEG4 video server

With 3GPP/ISMA support

The MPEG-4 video server is designed with the “user-friendly” idea deep in mind. It translates the analog video to digital video, compresses the video by MPEG4 technology and sends the video to internet. The MPEG-4 video server can be easily integrated with a CCTV camera to become an IP based system. StarVedia provides excellent and free firmware and software for this video server.

The user can install the MPEG-4 video server product easily on his/her network connecting with a CCTV camera and then access the video anywhere in the world through the accompanied video management software-CamView. You get this video easily without setting some complicated DNS name or changing the router's settings. It's just a plug & play action and trouble-free installation.

With 3GPP/ISMA support, users can see the video of the video server on any 3G mobile phone anywhere, anytime. The big difference is that there is software for downloading to the mobile phone so that the fixed IP address is not needed for the IP camera. The video settings including frame rate, resolution and bandwidth could be different for PC monitoring and mobile viewing. Major 3G mobile brands including Nokia, Motorola, Sony-Ericsson, LG, Samsung and HTC have been tested.

For indoor/outdoor surveillance and remote monitoring, the MPEG-4 video server product provides the best image quality in its class, and excellent performance. The MPEG-4 video server product also provides the best bandwidth efficiency, it offers full D1(720x480 for NTSC, 720x576 for PAL) resolution, 30 fps frame rate, real MPEG4 image compression ability. The audio line-in interface enables remote

users to not only see, but also listen for additional monitoring requirements.

The micro-SD card interface provides local video storage function. The NAS storage function can easily turn any NAS device to a NVR device. The event scheduling provides full scheduling of email/ftp sending, D/I detection, NAS recording event. With the built-in Web server, the MPEG-4 video server product can also be managed from a standard web browser on a Windows computer. With the ActiveX support, users can also see the video display on the Windows IE browser.

The MPEG-4 video server product provides motion detection function. Users can easily setup this function and receive the notification with the snapshot images through email and/or ftp when some motion events are detected. Users can also record the motion-detected video through the CamView software.

The MPEG-4 video server product is ideal for securing buildings, offices, factories, and residences over a local area network and/or the Internet.

Features

- Translate analog video to digital MPEG4 video for internet transmission.
- Easily access the video from anywhere in the world via the ID/password (Through accompanied video management software, no complicated DNS settings needed)
- 3GPP/ISMA support
- Dual video streaming with separate frame rate/resolution/bandwidth settings for PC and mobile.
- Connect up to 20 users simultaneously
- Supports enhanced MPEG-4 compression
- Supports resolution of up to full D1 at 30 fps.
- Supports Pelco-P and Pelco-D through RS-485 for PTZ control.
- Supports NTSC and PAL video input.
- Free video management software CamView accompanied for easy access and multi-videos management.
- View video from your local or internet network
- ActiveX video display in Microsoft IE browser.
- Motion Detection recording and E-mail/FTP snapshot notification
- Synchronize the system time through NTP protocol.
- Built-in Web server for managing via standard web browser.
- Built-in audio line-in interface for synchronized audio play-out.
- Micro-SD card for video storage.

- D/I, D/O for alarm detection and triggering.
- Event scheduling.
- NAS storage access.
- Online Firmware upgrade, will enter safe mode when power is off during critical firmware upgrade point.
- Watchdog function to prevent system failure.

Specifications

Models	MPEG-4 video server
Power	Input DC 12V, 300 mA.
Network interface	Ethernet 10BaseT/100BaseTX, Auto-MDIX, RJ-45
Video interface	1 analog video input and 1 analog video output CVBS composite BNC connector, 1.0Vp-p with 75 ohm loading
Serial interface	1 RS-485 interface for pan/tilt control, support Pelco-P, Pelco-D protocol.
D/I D/O interface	1 D/I for alarm detection 1 D/O for alarm triggering
Micro-SD card interface	Micro-SD card interface for local video storage The supported Micro SD-Card capacity is up to 16G bytes.
Rest button interface	One reset button interface, to factory default settings
Led Indicator	1 LED for internet connection status indication 1 LED for Ethernet connection indication Enable/disable – web configurable
Processors	RISC CPU, hardware video processing and compression.
Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) with motion detection. Profiles: Simple Profile, level 0-3
Frame rate	Up to 30 fps in all resolutions
Video streaming	MPEG-4 Separate frame rate/resolution/bandwidth settings for PC and mobile.
Video settings	Resolution: D1(720x480 for NTSC, 720x576 for PAL), CIF(352x240 for NTSC, 352x288 for PAL), QCIF(176x120 for NTSC, 176x144 for PAL) Bandwidth : 64k, 128k, 256k, 512k, 768k, 1M, 1.2M, 1.5M bps Frame rate : 1, 2, 3, 4, 5, 10, 15, 20, 25, 30 fps
Audio	Built-in audio line-in for audio monitoring Audio compression: MPEG2 audio, AMR-NB for 3GPP/ISMA(RTSP streaming)

Security	Web management username/password protection Video display ID/password protection
Installation, management and maintenance	Installation tool on CD and Web-based configuration Automatic configuration backup and restore Video management software-CamView for video access and multi-camera management Firmware upgrades via FTP
Minimum Web browsing and management software requirements	Built-in web server for standard web browser access Pentium 4(or equivalent AMD) CPU 1.0 GHz or higher, 1 GB RAM
Supported protocols	IPv4, HTTP, TCP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, SNTP, FTP, DHCP, ARP, DNS, PPPoE, etc.
Video management software	Surveillance application for viewing and archiving up to 16 cameras
Users	Up to 20 simultaneous unicast users (depends on video settings)
Alarm and event management	Events triggered by video motion detection Notification/upload of JPEG images over FTP and/or email
Dimensions (HxWxD) and weight	40 x 81 x 92 mm, 300 g
Operating conditions	0-50 °C Humidity 20 - 80% RH (non-condensing)