

# VPort 2310

## 1-channel MPEG4 Video Server for Remote Surveillance via TCP/IP Networks

### Features

- Digitizes analog video signals INSTANTLY
- Audio supported for synchronal video/audio surveillance solution
- Remote access with built-in web server for viewing and configuring
- 1 auto-sensing 10/100 Mbps Ethernet port
- TCP, UDP, and HTTP network transmission modes
- Built-in 3 area selectable Video Motion Detection (VMD)
- Video stream up to 30 frames/sec at 352 x 240 resolution
- Supports PTZ (PAN/TILT/ZOOM) motorized camera control via RS-232/RS-485 COM port
- Equipped with 1 DI and 1 DO for external sensor and alarm
- DDNS & UPnP supported
- MOXA SoftDVR™ Lite for viewing and recording bundled free

\* ActiveX Control SDK supported with flexible interface and sample codes for third-party developers. (Contact a MOXA sales representative for more information about this SDK.)



### Overview

VPort 2310 is a 1-channel Video Server that adopts the high performance MPEG4 compression algorithm to enhance the efficiency of video transmission over an IP network. Equipped with BNC video input, image digitizer, image compressor (DSP) and 10/100 Mbps Ethernet connectivity, VPort 2310 can digitize any analog video source and distribute these digital

images over an IP network, turning your CCTV system into a "Video over IP" Network System INSTANTLY. In addition, VPort 2310 uses MPEG4 technology to provide synchronized Video/Audio output, giving the user a more realistic video/audio surveillance system.

### MPEG4 compression for best video/audio performance

VPort 2310 is equipped with the high performance MPEG4 compression engine for a synchronized video/audio surveillance solution. With the adoption of cutting-edge MPEG4 algorithm technology, the bandwidth requirement of video transmission

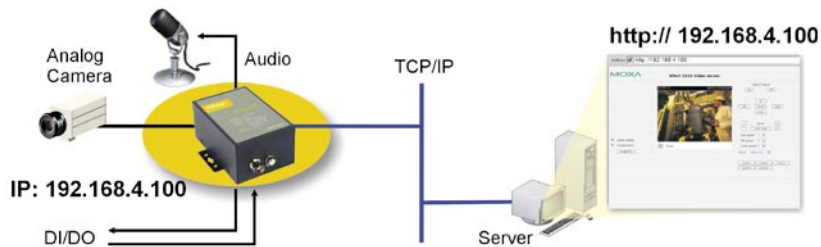
is reduced substantially, making the video over IP system more efficient. This means that more video/audio data can be transmitted over an IP network.

### Intelligent alarm message triggered functions with VMD and Digital I/O devices

VPort 2310 supports VMD (Video Motion Detection) and 1 Digital Input/Relay Output connector for designing intelligent alarm message triggered functions for an integrated video over IP system. Use MOXA SoftDVR Pro IP Surveillance Software or

MOXA ActiveX Control SDK to develop your own customized video over IP system.

## Typical Application



## Specifications

### Technology

**Video Input (BNC):** 1

**Audio Input (RCA):** 1 mono (24 Kbps wideband audio coding)

**NTSC/PAL:** Auto-sensing

### Network

**Protocols:** TCP, UDP, HTTP, SMTP, FTP, Telnet, NTP, DNS, DDNS, DHCP and UPnP

**Ethernet:** Auto sensing 10/100 Mbps

**Bandwidth:** Max. 1.2 Mbps

### Serial Port

**COM:** Male DB9 RS-232, Max. 115.2 Kbps

**RS-485:** Terminal Block for Data +, Data - at Max. 115.2 Kbps

### GPIO

**Digital Input:** 1 (max. 12 VDC@ 50 mA)

**Relay Output:** 1 (max. 24 VDC@ 1A, 125 VAC@0.5A)

### Video

**Video Compression:** MPEG4

### Video Viewing:

- Adjustable image size and quality
- B/W or Color control
- Timestamp and text overlay

### Video Resolution:

**NTSC:** Up to 30 frames at 176 x 120  
Up to 30 frames at 352 x 240  
Up to 10 frames at 704 x 480

**PAL:** Up to 25 frames at 176 x 144  
Up to 25 frames at 352 x 288  
Up to 8 frames at 704 x 576

### LED Indicators

**NETWORK:** Network links

**CONNECT:** System active

**SERIAL:** Serial status

### Power

**Input Voltage:** 6-15 VDC min.15W

**Consumption:** near 4.2W

### Mechanical

**Dimension (W x D x H):** 72.25 x 106 x 50 mm

**Weight:** 420 g

**Installation:** DIN-Rail Mounting, Wall Mounting

### Environmental

**Operating Temperature:** 0 to 60°C (32 to 140°F),

**Storage Temperature:** -40 to 70°C (-40 to 158°F)

**Ambient Relative Humidity:** 5% to 95% (non-condensing)

**Regulatory Approvals:** FCC, CE

**Warranty:** 5 years

### Alarm Features:

- Video Motion detection with percentage and sensitivity
- Daily repeat timing schedule
- 3 color JPEG images for pre/post alarm image storage
- Automatic transfer of stored images via email or FTP with event-triggered actions

### PAN/TILT/ZOOM

- PTZ camera control through RS-232/485
- Automatic PTZ camera model detection
- Supported devices and protocols:  
Sony VISCA, Canon VC-C1/VC-C3/VC-C4, Dynacolor SmartDOME, Pelco D-protocol, Custom Camera

### Remote Software Upgrade

System firmware upgradeable via bundled Upgrade Wizard or FTP

### Security

User level password protection

### Viewing System requirements

- Internet Explorer 4.x or above
- Netscape Navigator 4.x or above

### Software Bundled Free

**MOXA SoftDVR™ Lite:** 1- to 4-ch IP Surveillance Software for viewing & recording

## Ordering Information

**VPort 2310:** 1-ch MPEG4 Video Server with 100-240V power adaptor (12 VDC, 1.5A, or 12 VDC, 1.25A for UK plug)

### Items included:

- 1 VPort 2310 Video Server
- CD with User's Manual, SoftDVR Lite IP Surveillance Software
- Quick Installation Guide

### Optional Accessories

**DK-35A:** DIN-Rail Mounting Kit (35 mm)

- Power Adaptor
- PTZ camera control cable
- I/O Terminal Block Kit

