

# VPort 2140

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

### Features

- Can digitize analog video signal INSTANTLY
- Remote access with built-in web server for viewing and configuring
- 1 auto-sensing 10/100 Mbps Ethernet port and Modem dial-in connection
- Built-in Video Motion Detection (VMD)
- Supports PTZ (PAN/TILT/ZOOM) motorized camera control via 2 RS-232/RS-485 COM ports
- Equipped with 4 DIs and 2 DOs for external sensors and alarms
- Snapshot images can be sent via FTP or E-mail
- MOXA SoftDVR Lite for viewing and recording bundled free



\* ActiveX Control SDK supports flexible interface and sample codes for third-party developers (please contact a MOXA sales representative if you require this SDK)

### Overview

MOXA VPort 2140 Video Server, equipped with 4-ch video input and 4-ch video output (75 Ω switch off), image digitizer, image compressor with Motion-JPEG compression, and web server with 10/100 Mbps Ethernet/Modem interface,

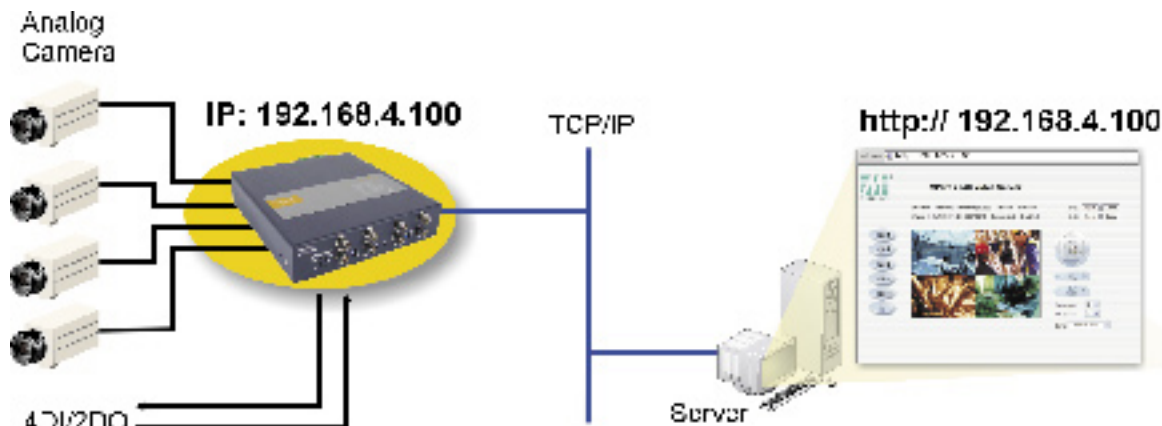
can digitize analog video sources and distribute digital images over a computer network, turning your CCTV video surveillance system into a "Video over IP" Network System INSTANTLY.

### Built-in Web Server for video management and control

MOXA VPort 2140 has a built-in Web Server that allows users to fully manage and control camera and video images. In addition to viewing and camera/video settings, advanced functions, such as VMD (Video Motion Detection), PTZ

camera control, and sequential viewing, are also provided by VPort 2140. Snapshot images taken by either VMD or sequential mode can be obtained by email or FTP to inform users of the status of events.

### Typical Application



## Integrated Network System Structure

System integrators can use VPort 2140 Video Server to integrate various functions, such as camera management, video storage, video recording and playback, VMD (Video Motion

Detection), video interaction with DI/DO devices, etc., over an IP-based network.

## Automatic Video Surveillance System via interaction with I/O sensors and alarms

MOXA VPort 2140 Video Server comes equipped 4 Digital Inputs and 2 Relay Outputs to connect with sensors and alarms. By using system software (such as MOXA SoftDVR™ Pro IP

Surveillance Software) or Script Commands programming, users can construct an automatic video surveillance system by setting the interaction between cameras and DI/DO devices.

## Specifications

### Technology

**Video Inputs (BNC):** 4

**Video Outputs (BNC):** 4 (75 Ω resistance switch off)

**NTSC/PAL:** Auto-sensing

### Network

**Protocols:** TCP/IP, HTTP, SMTP, FTP, Telnet, NTP, DNS, and DHCP

**Modem:** PPP (Dial-in, direct cable connection)

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

**LED Indicators:** Network: ACTIVE, LINK, FDX (full duplex)  
System: POWER, CONNECT, SERIAL

### Serial Port

**COM 1:** DB9 Male RS-232, max. 115.2 Kbps

**COM 2:** DB9 Male RS-232, max. 115.2 Kbps

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

**GPIO:** Digital Input × 4 (max. 12 VDC @ 50 mA)  
Relay Output × 2 (max. 24 VDC @ 1A, 125 VAC @ 0.5A)

### Video

**Video Compression:** JPEG, MJPEG

### Video Viewing:

- Adjustable image size and quality
- B/W or color control
- Timestamp and text overlay
- QUAD screen display

### Video Resolution:

NTSC: Up to 30 frames at 176 × 112  
Up to 30 frames at 352 × 240  
Up to 9 frames at 704 × 480 or QUAD  
PAL: Up to 25 frames at 176 × 144  
Up to 25 frames at 352 × 288  
Up to 8 frames at 704 × 576 or QUAD

### Power

**Input Voltage:** 12 VDC, 1.5A

**Consumption:** near 7.8 W

**External Power Input:** Terminal Block for DC 12V, min. 1.5A

**Power Output:** Terminal block for DC 12V, max. 500 mA

### Mechanical

**Dimensions:** 193.71 x 195 x 44 mm (W x H x D)

**Weight:** 890 kg

**Installation:** Wall Mounting

### Environment

**Operating Temperature:** 0 to 65°C (32 to 149°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:

- Motion detection with percentage and sensitivity
- Daily-repeated timing schedule
- 3-color images per camera for pre/post alarm
- Automatic transfer of stored images via email or FTP with event-triggered actions

### PAN/TILT/ZOOM

- Multiple PTZ camera control through RS-232/485
- Supported devices and protocols:  
Sony VISCA, Cannon VC-C3/VC-C1/VC-C4, Dynacolor  
Smart DOME, Pelco D protocol, Liling, Ernitec, Custom camera

### Remote Software Upgrade

System firmware upgradable 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 2140:** 4-ch MJPEG Video Server with 100 to 240V power adaptor (12 VDC, 1.5A) (12 VDC, 1.25A for UK plug)

### Items included:

- 1 VPort 2140 Video Server
- CD with User's Manual, SoftDVR Lite IP Surveillance Software
- Null Modem Cable
- I/O Terminal Block Kit
- Quick Installation Guide
- Power Adaptor
- PTZ Camera Control Cable