

VPort 2141

Compact, 4-channel MJPEG video server (encoder)



- > Compress analog video signals in MJPEG video streams
- > Video stream up to 30 frames/sec at CIF (352 x 240) resolution, and 15 frames/sec at Quad view
- > PPPoE, DDNS, UPnP, and IP filtering supported
- > Free VPort SDK and 4-channel video surveillance software

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.



Introduction

The VPort 2141 video server comes equipped with a 4-channel video input image digitizer, image compressor with MJPEG compression, and web server accessible through a 10/100 Mbps Ethernet port. With

the VPort 2141, you can digitize analog video sources and distribute digital images over an IP network to turn your CCTV system into a true "Video-over-IP" network system.

Specifications

Video

Video Compression: MJPEG

Video Inputs: 4, BNC connector (1.0 Vpp, 75 ohms)

NTSC/PAL: Auto-sensing or manual

Video Resolution and FPS (frames per second):

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
QCIF	176 x 120	30	176 x 144	25
CIF	352 x 240	30	352 x 288	25
4CIF	704 x 480	10	704 x 576	8
Quad		15		15

Video Viewing:

- Adjustable image size and quality
- B/W or color control
- Timestamp and text overlay
- 5 privacy masks for each camera

Network

Protocols: TCP, HTTP, SMTP, FTP, NTP, DNS, DHCP, PPPoE, DDNS, UPnP

Ethernet: 1 10/100BaseT(X) auto negotiating RJ45 port

Serial Port

COM1 Port: RS-232 (DB9 male connector), max. speed of 115.2 Kbps

COM2 Port: RS-485 (terminal block connector), max. speed of 115.2 Kbps

GPIO

Digital Inputs: 4, max. 12 VDC @ 50 mA

Relay Outputs: 4, max. 24 VDC @ 1 A, 125 VAC @ 0.5 A

LED Indicators

Network: ACTIVE, LINK, FDX (full duplex)

System: POWER, CONNECT, SERIAL

Power Requirements

Input Voltage: 12 VDC, 1.5 A

Power Consumption: Approx. 8 W

Alternative Power Input: Terminal block for 12 to 15 VDC/VAC, min. 1.5A

Power Output: Terminal block for 12 VDC, max. 500 mA

Physical Characteristics

Housing: Metal

Dimensions: 146.2 x 163.2 x 40 mm (5.76 x 6.43 x 1.57 in)

Weight: 820 g

Installation: DIN-Rail mounting (with optional kit), wall mounting

Alarms

Video Motion Detection: Includes sensitivity tuning

Scheduling: Daily repeat timing schedule

Imaging: JPEG snapshots for pre/trigger/post alarm images

Email/FTP Messaging: Automatic transfer of stored images via email or FTP with event-triggered actions

PAN/TILT/ZOOM

PTZ Camera Control: Via RS-232/485 port

Supported Device Protocol: Sony VISCA, Cannon VC-C1/VC-C3/VC-C4, Samsung SmartDOME, Dynacolor DynaDOME, Pelco D protocol, Liling PIH-7x00, Ernitec, Custom Camera

Detection: Automatic PTZ camera model detection

Security

Password: User level password protection

Filtering: By IP address

Environmental Limits

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

Safety: CE
EMI: FCC

Note: Please check Moxa's website for the most up-to-date certification status.

Warranty

Warranty Period: 5 years
Details: See www.moxa.com/warranty

System Requirements

CPU: Pentium 4, 2.4 GHz or above
Memory: 512 MB memory or above
OS: Windows XP/2000 with SP2 or above

Browser: Internet Explorer 6.x or above

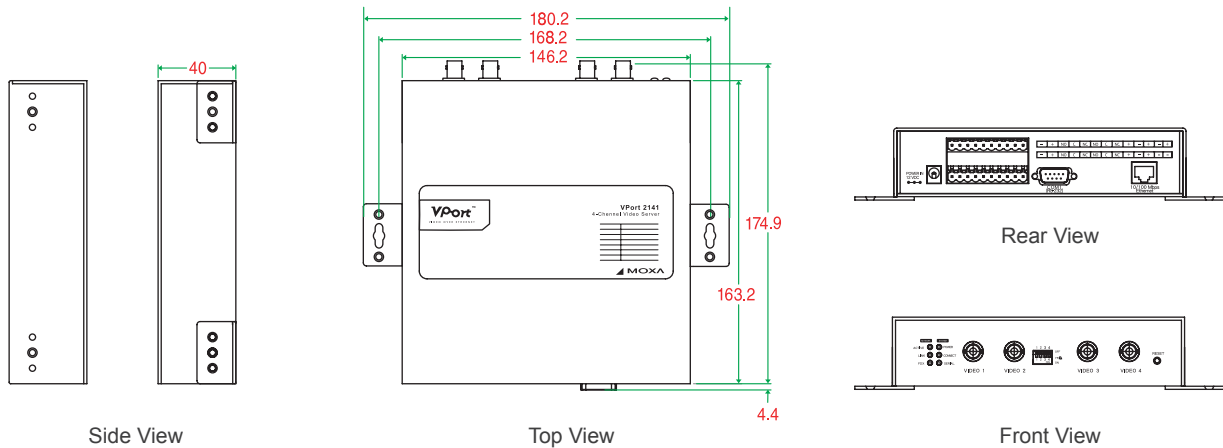
Multimedia: DirectX 9.0c or above

Software Bundled Free

SoftDVR™ Lite: 1 to 4-ch IP surveillance software for viewing and recording

VPort SDK: Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third-party developers (please contact a Moxa sales representative for details).

Dimensions (unit = mm)



Ordering Information

Available Models

VPort 2141: 4-channel MJPEG video server with 100-240 V power adaptor (12 VDC, 1.5A, or 12 VDC, 1.25A for UK plug)

Optional Accessories (can be purchased separately)

SoftDVR™ Pro: 16-channel IP surveillance software for viewing and recording
DK-35A: DIN-Rail mounting kit (35 mm)