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

CE FC

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

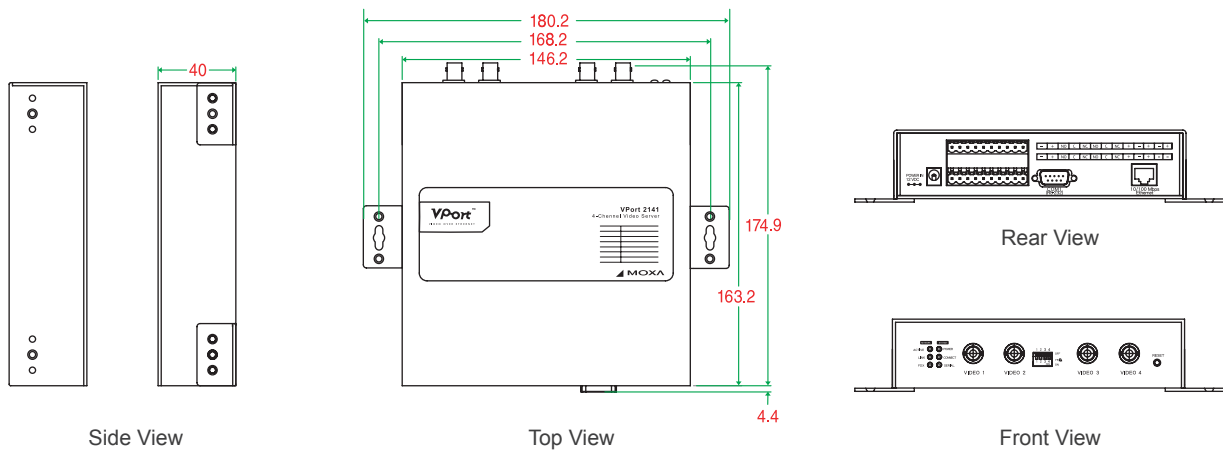**Browser:** Internet Explorer 6.x or above

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)

Side View

Top View

Rear View

Front View

: 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)