

# VPort 2141

## Compact, 4-channel MJPEG video server (encoder)



- > Compress analog video signals in MJPEG video stream
- > 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



### Introduction

Moxa VPort 2141 video server, equipped with 4-channel video inputs image digitizer, image compressor with MJPEG compression, and web server with 10/100 Mbps Ethernet, can digitize analog video sources

and distribute digital images over IP network, turning your CCTV system into a "Video-over-IP" network system.

### Specifications

#### Video

**Video Compression:** MJPEG

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

**NTSC/PAL:** Auto-sensing or manual

**Video Resolution and FPS (frame per second):**

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
<b>QCIF</b>	176 x 112	30	176 x 144	25
<b>CIF</b>	352 x 240	30	352 x 288	25
<b>4CIF</b>	704 x 480	10	704 x 576	8
<b>Quad</b>		15		15

#### Video Viewing:

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

#### Network

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

**Ethernet:** 1 RJ45 port, 10/100BaseT(X) auto negotiation

#### Serial Port

**COM1 Port:** RS-232 in DB9 male, max. 115.2 Kbps

**COM2 Port:** RS-485 in terminal block, max. 115.2 Kbps

#### GPIO

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

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

#### LED Indicators

**Network:** ACTIVE, LINK, FDX (full duplex)

**System:** POWER, CONNECT, SERIAL

#### Physical Characteristics

**Dimension (W x H x D):** 146.2 x 163.2 x 40 mm (5.76 x 6.43 x 1.57 in.)

**Weight:** 820 g

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

#### Power Requirements

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

**Consumption:** Approx. 8W

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

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

#### 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

CE, FCC

#### Warranty

5 years (see [www.moxa.com/warranty](http://www.moxa.com/warranty) for details)

#### Alarm Features

- Video motion detection with percentage and sensitivity tuning
- Daily repeat timing schedule
- JPEG snapshots for pre/trigger/post alarm images
- Automatic transfer of stored images via email or FTP with event-triggered actions

**PAN/TILT/ZOOM**

- PTZ camera control through RS-232/485 port
- Automatic PTZ camera model detection
- Supported devices and protocol: Sony VISCA, Cannon VC-C1/VC-C3/VC-C4, Dynacolor SmartDOME, Pelco D-protocol, Liling PIH-7x00, Ernitec, Custom Camera

**Security**

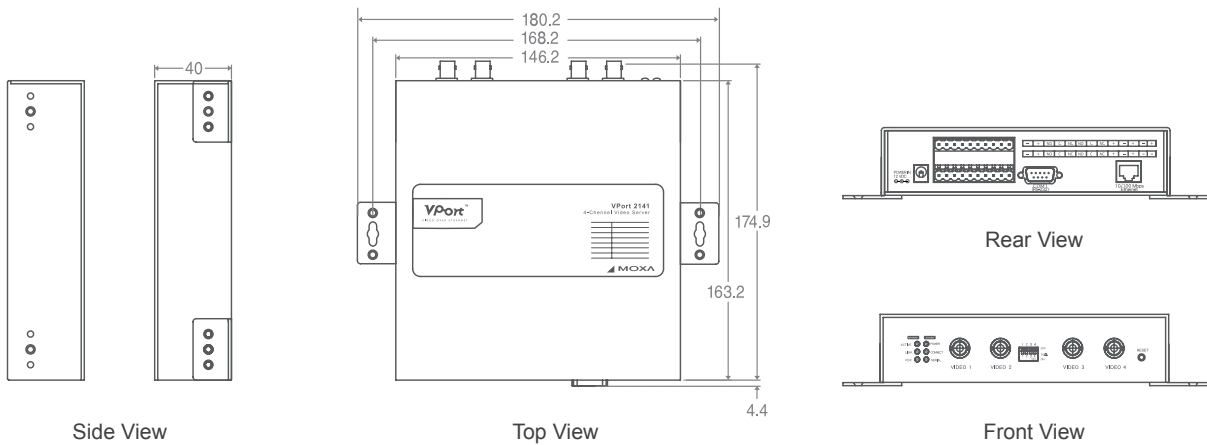
- User level password protection
- IP address filtering

**Software Bundled Free**

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

**VPort SDK:** Includes CGI commands and ActiveX Control and API for customized application or system integration for third-party developer (Please contact with Moxa's sales representative if you require VPort SDK.)

**Dimensions (unit = mm)**



**Ordering Information**

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

**Optional Accessories**

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