

VPort 2110/2141 series

Compact, 1- or 4-channel MJPEG Video Server (Encoder)



Highlights

- Support 1-channel (VPort 2110), 4-channel (VPort 2141)
- Compress analog video signals in MJPEG video stream
- Video stream up to 30 frames/sec at CIF (352x240) resolution, and 15 frame/sec at Quad View (VPort 2141)
- Free VPort SDK and 4-channel video surveillance software
- Compact form factor



Features

Optimal Video Networking Solution

- Works with NTSC/PAL analog video cameras
- MJPEG video compression technology
- 1 BNC (VPort 2110) or 4 BNC (VPort 2141) Video input with 75Ω resistance
- Remote access with built-in web server for viewing and configuring
- 1 auto-sensing 10/100BaseT(X) Ethernet port
- Support PPP modem dial-in connection (VPort 2110)
- Maximum 20 clients access simultaneous
- Video quality and resolution can be setup from client web access
- Support 4CIF, CIF and QCIF video resolution
- Support Quad viewing format (VPort 2141)
- Up to 5 primary mask selectable (VPort 2141)
- Timestamp and text overlay supported
- Support COM ports for controlling PTZ (PAN/TILT/ZOOM) motorized camera via RS-232/RS-485 COM port

- PPPoE, DDNS, UPnP and IP filtering supported (VPort 2141)

Intelligent Alarm Triggered Capability

- Built-in Video Motion Detection (VMD)
- Equipped with DI and Relays (DO) for external sensors and alarms
- Pre, Trigger, and Post alarm snapshot images provided
- Support sequential snapshot images
- Messages with snapshot images can be sent via FTP and Email
- Alarm schedule setting capability

Video Management and Control

- MOXA SoftDVR™ Lite IP Surveillance Software for viewing and recording bundled free
- Free MOXA VPort SDK supported with flexible interface and sample codes for customized application or system integration

* Please contact with MOXA sales representative if you require VPort SDK

Introduction

MOXA VPort 2100 series Video Server, equipped with 1- or 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: 1 or 4, BNC connector

NTSC/PAL: Auto-sensing or Manual

Video Resolution and FPS (Frame per second):

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
QCIF	176 x 112	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
- Color or B/W control
- Timestamp and text overlay
- 5 privacy mask for each camera (VPort 2141)

Network

Protocols: TCP, HTTP, SMTP, FTP, Telnet, NTP, DNS, DHCP, PPPoE (VPort 2141), DDNS (VPort 2141), and UPnP (VPort 2141)

Ethernet: 1 10/100BaseT(X) auto negotiation speed RJ45 Port

Serial Port

VPort 2110 COM port: RS-232 in DB9 male or RS-485 in Terminal Block, max. 115.2 Kbps

VPort 2141 COM1 port: RS-232 in DB9 male, max. 115.2 Kbps

VPort 2141 COM2 port: RS-485 in Terminal Block, max. 115.2 Kbps

GPIO

Digital Input: 1(VPort 2110), 4 (VPort 2141), max. 12 VDC @ 50 mA

Relay Output : 1(VPort 2110), 4 (VPort 2141), max. 24 VDC @ 1A, 125 VAC @ 0.5A

LED Indicators

VPort 2110: NETWORK, CONNECT, SERIAL

VPort 2141: Network: ACTIVE, LINK, FDX (full duplex)
System: POWER, CONNECT, SERIAL

Mechanical

VPort 2110 Dimension (W x H x D): 72.25 x 106 x 50 mm
2.84 x 4.17 x 1.97 in

VPort 2141 Dimension (W x H x D): 146.2 x 163.2 x 40 mm
5.7 x 6.4 x 1.6 in

Weight: 420 g (VPort 2110), 820 g (VPort 2141)

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

Power Requirement

Input: 12VDC, 1.5A

Consumption: approx. 4.2W (VPort 2110), 8W (VPort 2141)

Alternative Power Input: Terminal Block for 12~15 VDC/AC, min. 1.5A (VPort 2141)

Power Output: Terminal Block for 12 VDC, max. 500 mA (VPort 2141)

Environment

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

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

Humidity: 5 to 95% (non-condensing)

Regulatory Approvals

CE, FCC

Warranty

5 years

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
- 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, and Custom Camera

Security

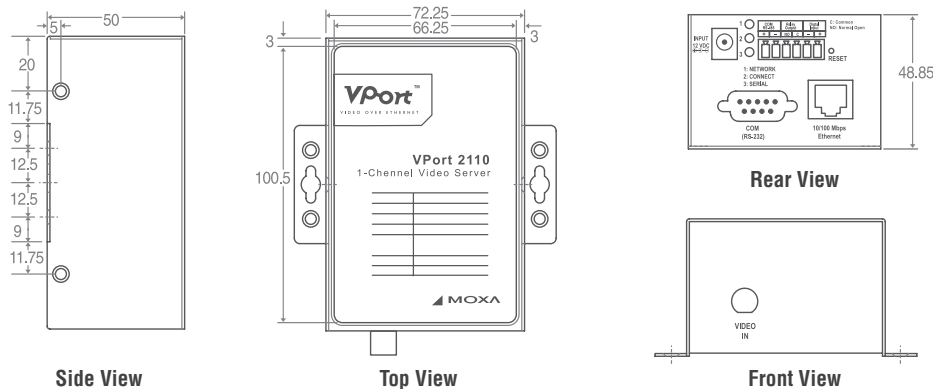
- User level password protection
- IP address filtering (VPort 2141)

Software Bundled Free

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

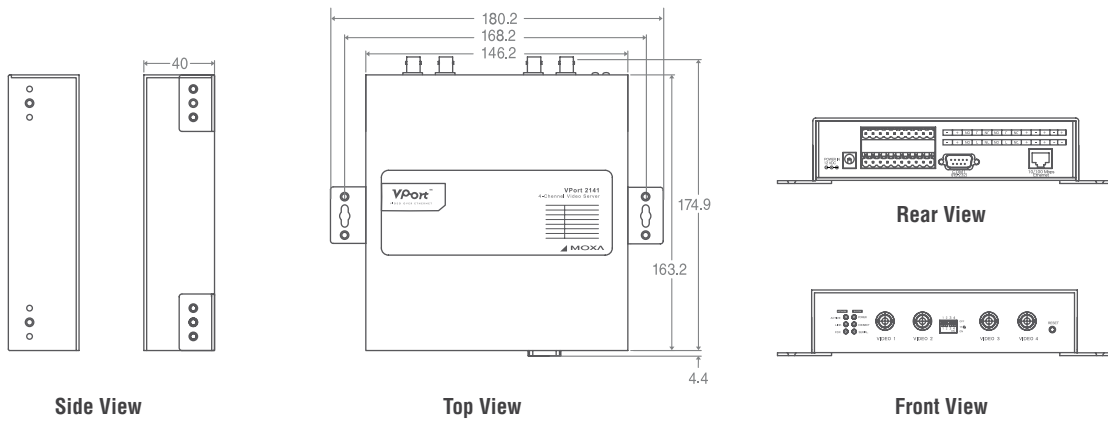
Dimensions (unit = mm)

[VPort 2110]



Dimensions (unit = mm)

[VPort 2141]



Ordering Information

- **VPort 2110:** 1-channel MJPEG Video Server with 100-240V power adaptor (12 VDC, 1.5A, or 12 VDC, 1.25A for UK plug)
- **VPort 2141:** 4-channel MJPEG Video Server with 100-240V power adaptor (12 VDC, 1.5A, or 12 VDC, 1.25A for UK plug)

Item includes

- 1 VPort 2110 or VPort 2141 Video Server
- CD with User's Manual, SoftDVR Lite IP Surveillance Software
- Quick Installation Guide
- Power Adaptor
- Null Modem Cable (VPort 2110)
- PTZ Camera Control Cable
- I/O Terminal Block Kit

Optional Accessories

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