VPort 2140

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

Features

> Digitizes analog video signals INSTANTLY

> Remote access with built-in web server for viewing and configuring

> 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 Relays (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

* MOXA VPort SDK supported with flexible interface and sample codes for third-party developers.

(Contact a MOXA sales representative for more information about this SDK.)

Introduction

MOXA VPort 2140 Video Server, equipped with 4-ch video input and 4-ch video output (75Ω 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 gives users complete management and control of the 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.

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 (DOs) to connect with sensors and alarms. By using system software (such as MOXA SoftDVR™ Pro IP Surveillance Software) or Script Command programming, users can construct an automatic video surveillance system by setting up 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 or Manual

Network
Protocols: TCP, 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: Max. 115.2 Kbps
RS-232 (male DB9) or RS-485 (terminal block) for Data+, Data-

COM 2: Max. 115.2 Kbps, Male DB9

GPIO

Digital Inputs: 4 (max. 12 VDC @ 50 mA)
Relay Outputs (DOs): 2 (max. 24 VDC @ 1A, 125 VAC @ 0.5A)

Video

Video Compression: JPEG, MJPEG
Video Viewing:

• Adjustable image size and quality
• Timestamp and text overlay
• B/W or color control
• 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
Alternative Power Input: Terminal Block for 12 VDC, min. 1.5A
Power Output: Terminal block for 12 VDC, max. 500 mA

Mechanical

Dimensions (W x H x D): 193.71 x 195 x 44 mm
7.63 x 7.68 x 1.73 in.

Weight: 890 g
Installation: Wall Mounting

Environmental

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: FCC, CE

Warranty: 5 years

Alarm Features

• Video Motion Detection with percentage and sensitivity
• Daily-repeated timing schedule
• 3-color images per camera for pre/trigger/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-C1/VC-C3/VC-C4, Dynacolor Smart DOME, Pelco D protocol, Liling, Ernitec, and Custom camera

Remote Software Upgrade

System firmware upgradable via bundled upgrade wizard or FTP
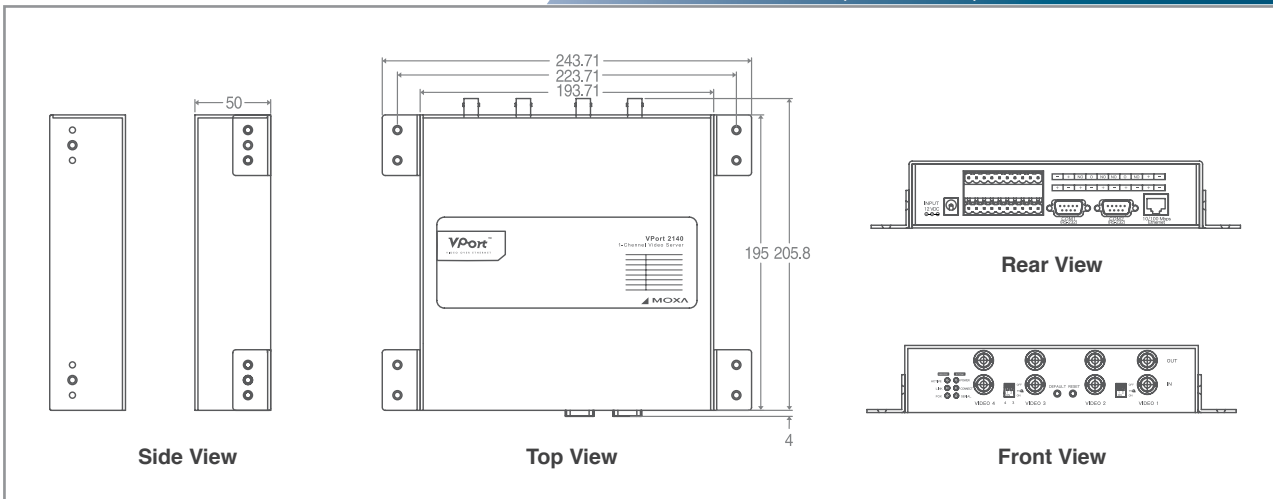
Security: User level password protection

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

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Industrial Video Server   VPort 2140

Dimensions (unit = mm)

Side View   **Top View**   **Rear View**   **Front View**

Ordering Information

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

Items included:

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