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 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**

* ActiveX Control SDK supports flexible interface and sample codes for third-party developers (please contact a MOXA sales representative if you require this SDK)

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Overview

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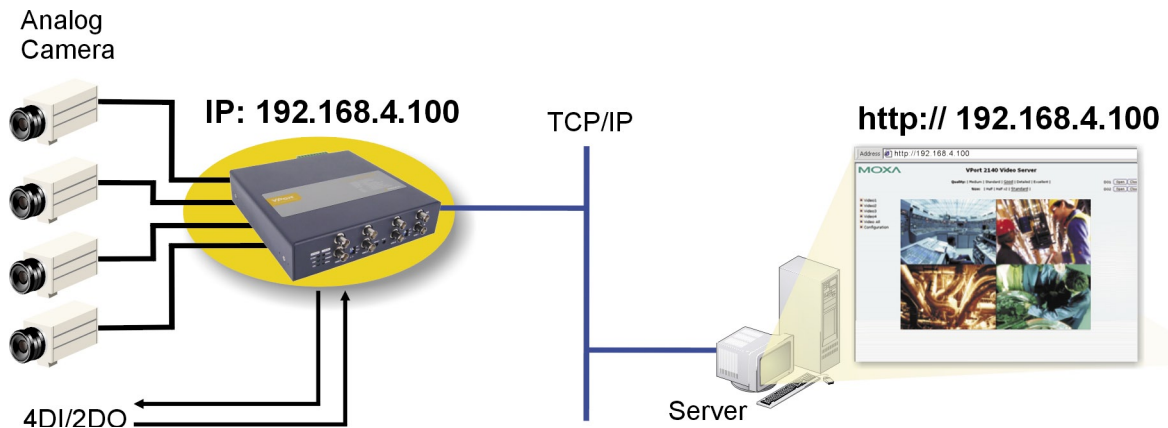/100 Mbps Ethernet/Modem interface, can digitize analog video sources and distribute digital images over a computer network, turning your CCTV video surveillance system into a "Video over IP" Network System INSTANTLY.

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.

Typical Application

Analog Camera

IP: 192.168.4.100

TCP/IP

http:// 192.168.4.100

4DI/2DO

Server

MOXA **e-mail: info@moxa.com.tw   www.moxa.com**

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 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

Network
Protocols: TCP/IP, 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: Male DB9 RS-232, max. 115.2 Kbps
COM 2: Male DB9 RS-232, max. 115.2 Kbps
RS-485: Terminal Block for Data+, Data-, max. 115.2 Kbps
GPIO:
Ditital Input: 4 (max. 12 VDC @ 50 mA)
Relay Output: 2 (max. 24 VDC @ 1A, 125 VAC @ 0.5A)

Video
Video Compression: JPEG, MJPEG
Video Viewing:
• Adjustable image size and quality
• B/W or color control
• Timestamp and text overlay
• 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

External Power Input: Terminal Block for DC 12V, min. 1.5A
Power Output: Terminal block for DC 12V, max. 500 mA
Mechanical
Dimensions: 193.71 x 195 x 44 mm (W x H x D)
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
Warrany: 5 years
Alarm Features:
• Motion detection with percentage and sensitivity
• Daily-repeated timing schedule
• 3-color images per camera for pre/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-C3/VC-C1/VC-C4, Dynacolor Smart DOME, Pelco D protocol, Liling, Ernitec, 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

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

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