Video Networking Solutions

VPort 2110

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

Features

- **Can digitize analog video signal INSTANTLY**
- **Remote access with built-in web server for viewing and configuring**
- **1 auto-sensing 10/100 Mbps Ethernet port and Modem dial-in connection**
- **Built-in advanced Video Motion Detection (VMD)**
- **Supports PTZ (PAN/TILT/ZOOM) motorized camera control via RS-232/RS-485 COM port**
- **Equipped with 1 DI and 1 DO for external sensor and alarm**
- **Snapshot images can be sent via FTP or E-mail**
- **MOXA SoftDVR Lite for viewing and recording bundled free**

CE FC

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

Overview

MOXA VPort 2110 Video Server, equipped with 1-ch video input, image digitizer, image compressor with Motion-JPEG compression, and web server with 10/100 Mbps Ethernet/ Modem inter- face, can digitize analog video sources and distribute digital imag- es over a computer network, turning your CCTV video surveillance system into a "Video over IP" Network System INSTANTLY.

Integrated Network System Structure

System integrators can use VPort 2110 Video Server to integrate various functions, such as camera management, video storage, vi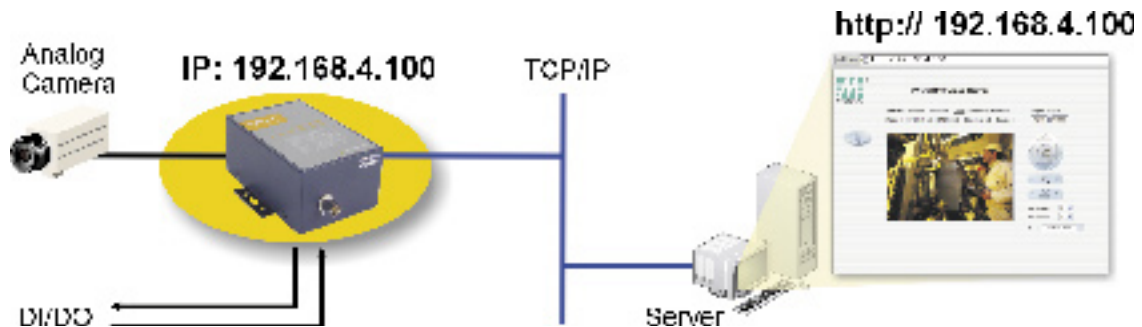deo recording and playback, VMD (Video Motion Detection), video interaction with DI/ DO devices, etc., over an IP-based network.

Built-in Web Server for video management and control

MOXA VPort 2110 has a built-in Web Server that allows users to fully manage and control 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 2110. 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

e-mail:info@moxanet.com   www.moxa.com

Automatic Video Surveillance System via interaction with I/O sensors and alarms

MOXA VPort 2110 Video Server comes equipped 1 Digital Input and 1 Relay Output to connect with sensors and alarms. By using system software (such as MOXA SoftDVR™ Pro IP Surveillance Software) or Script Commands programming, users can construct an automatic video surveillance system by setting the interaction between cameras and DI/ DO devices.

Specifications

Technology
Video Input (BNC): 1
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

Video
Video Compression: JPEG, MJPEG
Video Resolution:
NTSC: Up to 30 frames at 176 × 112
     Up to 30 frames at 352 × 240
     Up to 10 frames at 704 × 480
PAL: Up to 25 frames at 176 × 144
     Up to 25 frames at 352 × 288
     Up to 10 frames at 704 × 576

Video Resolution:
- Adjustable image size and quality
- B/W or color control
- Timestamp and text overlay

Serial Port
COM: DB9 Male RS-232, Max. 115.2 Kbps
RS-485: Terminal Block for Data+, Data-, max. 115.2 Kbps
GPIO: Digital Input × 1 (max. 12 VDC @ 50 mA)
     Relay Output × 1 (max. 24 VDC @ 1A, 125 VAC @ 0.5A)

LED Indicators:
Network: network Link
CONNECT: system active
SERIAL: serial status

Mechanical:
Dimensions (W x D x H): 72.25 x 106 x 50 mm

Weight: 410 g
Installation: DIN-Rail Mounting, Wall Mounting
Power Requirements:
Input: 12 VDC, 1.5A
Consumption: near 4.2 W
Environment
Operating Temperature: 0 to 65ºC (32 to 149ºF),
Storage Temperature: -40 to 70ºC (-40 to 158ºF)
Humidity: 5% to 95% (non-condensing)
Regulatory Approvals: FCC, CE
Warranty: 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 2110: 1-ch MJPEG Video Server with 100-240V power adaptor (12 VDC, 1.5A) (12 VDC, 1.25A for UK plug)

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

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