

VPort 3310

1-channel Industrial MPEG4 Video Server for Harsh Environments



* 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.)

Features

- > Digitize analog video signals INSTANTLY
- > 1-ch video input and 1-ch video output
- > Audio supported for synchronal video/audio surveillance solution
- > RTSP (Real-Time Streaming Protocol) video streaming
- > Built-in 3 area selectable Video Motion Detection (VMD)
- > Video stream up to 30 frames/sec at 352 x 240 resolution
- > Effective traffic control with multicast (IGMP)
- > SNMP MIB-II for network management
- > Redundant 24 VDC power inputs and power failure alarm
- > PTZ (PAN/TILT/ZOOM) motorized camera control via RS-232/RS-485 COM port
- > Equipped with 2 DI and 2 Relays (DOs) for external sensors and alarms
- > DDNS & UPnP supported
- > MOXA SoftDVR™ Lite for viewing and recording bundled free



Introduction

VPort 3310 is a 1-channel Video Server that adopts the standard MPEG4 algorithm, and features DIN-Rail Mounting capability, 24 VDC redundant power inputs, and IP30 protection to meet the requirements of industrial environments.

The cutting edge MPEG4 algorithm gives VPort 3310 an

FPS of up to 30 in CIF resolution (352 x 240), with maximum bandwidth of 1.6 Mbps, to provide high video performance and more efficient network transmission. In addition, VPort 3310 also provides audio communication for a voice-over-IP solution, making the control of your video surveillance system more real-time.

MPEG4 Compression for Best Video/Audio Performance

VPort 3310 is equipped with the high performance MPEG4 compression engine for synchronal video/audio surveillance. The cutting-edge MPEG4 technology reduces the bandwidth

requirement significantly to make the video-over-IP system more efficient, allowing you to transmit more video/audio/data over the IP network.

Triggering Intelligent Alarm Messages with VMD and Digital I/O Devices

VPort 3310 supports VMD (Video Motion Detection) and 2 Digital Input/Relay Output (DOs) connectors for designing intelligent alarm message triggered functions. Create an

integrated video-over-IP system with MOXA SoftDVR Pro IP Surveillance Software, or use the MOXA VPort SDK to develop a customized video-over-IP system.

Specifications

Technology

Video Input (BNC): 1 **Video Output (BNC):** 1

Audio Input: 1 mic-in port; 1 line-in port

NTSC/PAL: Auto-sensing or Manual

Network

Protocols: TCP, UDP, HTTP, SMTP, FTP, RTSP, RTP, RTCP, NTP, DNS, DDNS, IGMP, SNMP, DHCP, UPnP, and PPPoE

Ethernet: Auto sensing 10/100 Mbps

Bandwidth: Max. 1.6 Mbps

Video

Video Compression: MPEG4

Video Resolution:

NTSC:

Up to 30 frames at 176 x 120

Up to 30 frames at 352 x 240

Up to 10 frames at 640 x 480

Up to 10 frames at 704 x 480

PAL :

Up to 25 frames at 176 x 144

Up to 25 frames at 352 x 288

Up to 8 frames at 640 x 480

Up to 8 frames at 704 x 576

Video Viewing:

- Adjustable image size and quality
- B/W or Color control
- Timestamp and text overlay

Serial Port

COM port: 1, Max. 115.2 Kbps
 RS-232 (male DB9) or RS-485 (terminal block)
 for Data+, Data-

GPIO

Digital Input: +13 to +30V for “High” state
 -30 to +3V for “Low” state
 Max. input current: 8 mA

Relay Output (DO): 2 (max. 24 VDC@1A, 125 VAC@0.5A)

LED Indicators

PWR1: power 1 **PWR2:** power 2
FAULT: power failure **SERIAL:** COM port status
VIDEO: video communication active
AUDIO: audio communication active

Mechanical

Dimensions (W x D x H): 52.98 x 135 x 105 mm
 2.09 x 5.31 x 4.13 in.

Weight: 790 g

Installation: DIN-Rail Mounting, Wall Mounting (Optional kit)

Power Requirement

Input: 12 to 45 VDC

Power Consumption: near 7.5W

Environmental

Casing: IP30 protection, metal case
Operating Temperature: 0 to 60°C (32 to 140°F)
 -40 to 75°C (-40 to 167°F) for -T model

Storage Temperature: -40 to 85°C (-40 to 185°F)

Humidity: 5 to 95% (non-condensing)

Regulatory Approvals: CE, FCC, UL (Pending)

Warranty: 5 years

Alarm Features

- Video Motion Detection with sensitivity tuning
- Daily repeat timing schedule
- 3 color JPEG images for pre/trigger/post alarm image storage
- Automatic transfer of stored images via email or FTP with event-triggered actions

PAN/TILT/ZOOM

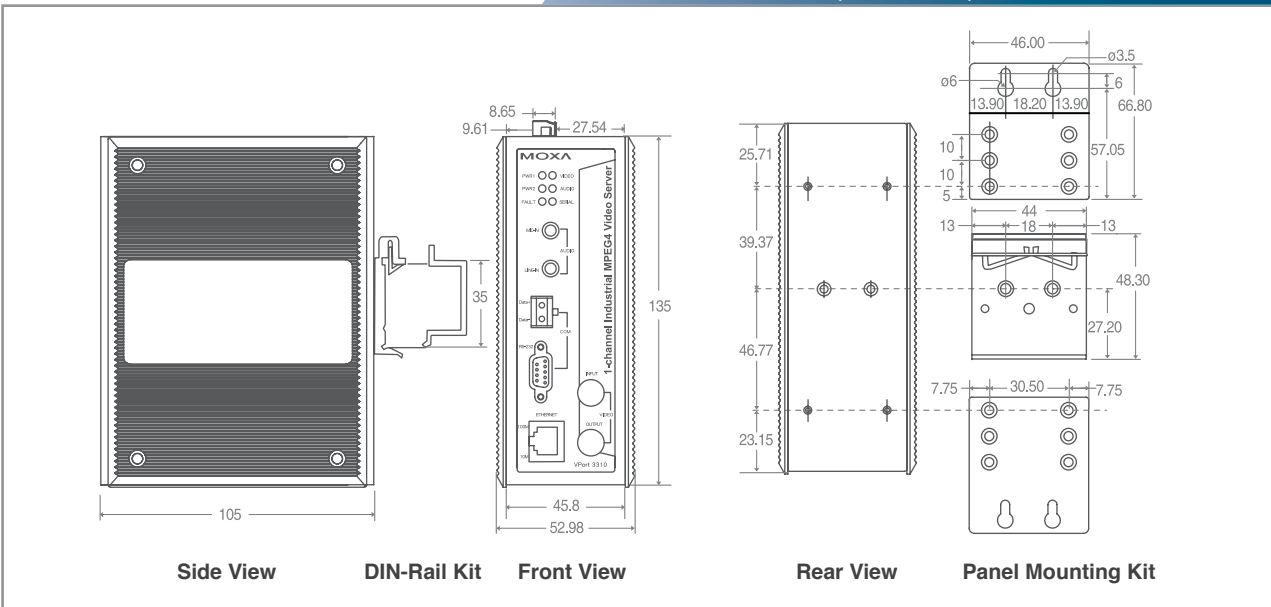
- PTZ camera control through RS-232/485
- Automatic PTZ camera model detection
- Supported devices and protocols:
 Sony VISCA, Canon VC-C1/VC-C3/VC-C4, Samsung SmartDome, Dynacolor SmartDOME, Pelco D-protocol, Liling PIH-7x00 (Pending), Ernitec, and Custom Camera

Security: User level password protection; IP filtering

Software Bundled Free

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

Dimensions (unit = mm)



Ordering Information

VPort 3310: 1-ch Industrial MPEG4 Video Server with 24 VDC power input, 0 to 60°C

VPort 3310-T: 1-ch Industrial MPEG4 Video Server with 24 VDC power input, -40 to 75°C

Items included:

- 1 VPort 3310 Video Server
- Quick Installation Guide
- CD with User's Manual, SoftDVR™ Lite IP Surveillance Software
- I/O Terminal Block Kit

Optional Accessories

WK-46: Wall Mounting kit