VPort 3310 Series

Rugged design, 1-channel MPEG4 industrial video server (encoder)

> Industrial design with -40 to 75°C operating temperature
> Compress analog video/audio signals in MPEG4 video stream
> Multicast (IGMP) for transmission efficiency
> Video stream up to 30 frames/sec at CIF (352 x 240) resolution
> Free VPort SDK and 4-channel video surveillance software

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Introduction

The VPort 3310 is a 1-channel industrial video server (encoder) that uses the standard MPEG4 algorithm, and features DIN-Rail mounting capability, 24 VDC redundant power inputs, and IP30 protection to meet the requirements of inustrial 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 supports audio communication for a voice-over-IP solution, making the control of your video surveillance system more real-time.

Specifications

Video

Video Compression: MPEG4 (ISO/IEC 14496-2)
Video Input: 1, BNC connector (1.0 Vpp, 75 ohms)
Video Output: 1, loop-through 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 120	30	176 x 144	25
CIF	352 x 240	30	352 x 288	25
VGA	640 x 480	10	640 x 576	8
4CIF	704 x 480	10	704 x 576	8

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

Audio

Audio Input: 1 Line-in or Mic-in port, 3.5 mm phone jack

Network

Protocols: TCP, UDP, HTTP, SMTP, FTP, RTSP, RTP, RTCP, NTP, DNS, DDNS, IGMPv3, SNMPv1/v2c/v3, DHCP, UPnP, PPPoE
Ethernet: 1 RJ45 port, 10/100BaseT(X) auto negotiation

Serial Port

COM Port: 1, RS-232 in DB9 Male or RS-485 in terminal block, max. 115.2 Kbps

GPIO

Digital Inputs: 2, max. 8 mA
　　　　　　　"High": +13V to +30V
　　　　　　　"Low": -30V to +3V
Relay Outputs: 2, max. 24 VDC @ 1A

LED Indicators

PWR1: Power 1
PWR2: Power 2
FAULT: Power failure
VIDEO: Video input
AUDIO: Audio input
SERIAL: COM port status

Physical Characteristics

Casing: IP30 protection, metal case
Dimension (W x H x D): 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 Requirements

Input Voltage: 2 24 VDC power inputs for redundancy

Environmental Limits

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)
Ambient Relative Humidity: 5 to 95% (non-condensing)

Regulatory Approvals

EMI: FCC Part 15, CISPR (EN55022) class B

EMS: EN61000-4-2 (ESD), level 3
EN61000-4-3 (RS), level 3
EN61000-4-4 (EFT), level 4
EN61000-4-5 (Surge), level 3
EN61000-4-6 (CS), level 3
EN61000-4-8
EN61000-4-11
EN61000-4-12

Shock: IEC 60068-2-27

Freefall: IEC 60068-2-32

Vibration: IEC 60068-2-6

MTBF: 152,000 hrs

Warranty

5 years (see www.moxa.com/warranty for details)

Alarm Features

- Video motion detection with 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 port
- Automatic PTZ camera model detection
- Supported devices protocol: Sony VISCA, Cannon VC-C1/VC-C3/VC-C4, Samsung SmartDOME, Dynacolor DynaDOME, Pelco D protocol, Liling PIH-7x00, Ernitec, Custom Camera
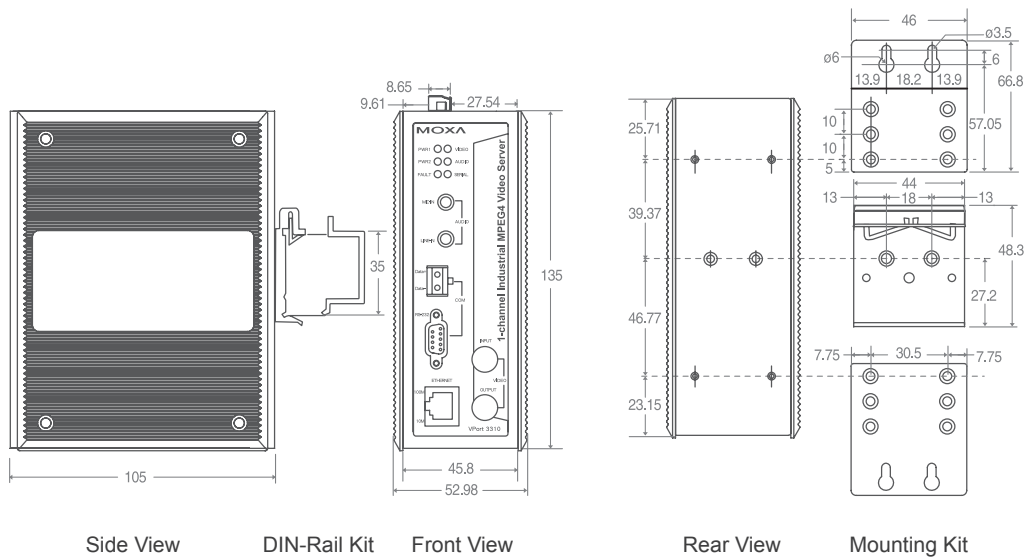
Security

- User level password protection
- IP address filtering

Software Bundled Free

SoftDVR™ Lite: 1- to 4-channel IP surveillance software for viewing and recording

VPort SDK: Includes CGI commands and ActiveX Control and API for customized application or system integration for third-party developer (Please contact with Moxa's sales representative if you require VPort SDK.)

Dimensions (unit = mm)

Side View   DIN-Rail Kit   Front View   Rear View   Mounting Kit

⋮ Ordering Information

- **VPort 3310:** 1-channel MPEG4 industrial video server with 24 VDC redundant power inputs, 0 to 60°C
- **VPort 3310-T:** 1-channel MPEG4 industrial video server with 24 VDC redundant power inputs, -40 to 75°C

Optional Accessories

- **SoftDVR™ Pro:** 16-channel IP surveillance software for viewing and recording
- **DR-4524:** 45W/2A DIN-Rail 24 VDC power supply, 85 to 264 VAC input
- **DR-75-24:** 75W/3.2A DIN-Rail 24 VDC power supply, 85 to 264 VAC input
- **DR-120-24:** 120W/5A DIN-Rail 24 VDC power supply, 88 to 132 VAC/176 to 264 VAC input by switch
- **WK-46:** Wall mounting kit
- **RK-4U:** 4U-high 19" rack mounting kit