

VPort 461Aシリーズ

優れたビデオ性能、1チャンネルH.264/MJPEG産業用ビデオエンコーダ



機能とメリット

- H.264またはMJPEGの最大4つの同時ビデオストリーム配信に対応
- レガシーなアナログビデオ映像による3つのビデオストリーム配信では最大でフルD1解像度（720 x 480）@ 90 fpsをサポート
- 200ミリ秒以下のビデオレイテンシ
- 2つのイーサネットポートによりカスケード接続またはイーサネットポートの冗長構成に対応
- DynaStream™により最適化されたネットワーク効率を実現
- 標準および相互運用性のためのONVIFサポート
- SDカードスロットによるローカルストレージ機能
- 動作温度範囲-40～75°Cの産業用設計

認証



製品紹介

VPort 461A 1チャンネル産業用ビデオエンコーダはH.264ビデオ圧縮アルゴリズムを搭載しています。このアルゴリズムにより、市場最高のビデオ画質をその他のビデオ圧縮規格と比較しても小さな帯域幅で提供することが可能になります。さらに、様々なビデオストリームの要件を満たすため、VPort 461AはH.264およびMJPEG圧縮フォーマットを使用したビデオストリームを最大で同時に4つまで提供することができます。ビデオストリームは、表示、録画、解析といったさまざまな目的で使用することができます。また、VPort 461Aは-40～75°Cの動作温度および産業規格などに対応した産業用途向けの堅牢な設計がなされており、過酷な環境下での使用に適しています。

VPort 461AはMoxaの革新的なDynaStream™技術を搭載しており、ユーザーはビデオのフレームレートを自動的に変更できます。DynaStream™により、ユーザーはネットワーク使用帯域を制御し、ネットワークシステム管理を簡素化できます。CBR Pro™機能は、限られた帯域幅の送信で最小のパケット損失を保証し、画像がモザイク効果を示さないようにします。

仕様

Memory

SD Slot	SDXC
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Input/Output Interface

Digital Input Channels	2
Digital Inputs	+13 to +30 V for state 1 -30 to +1 V for state 0 Max. input current: 8 mA
Relay Channels	2
Contact Current Rating	Resistive load: 1 A @ 24 VDC
Connector	Terminal block

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	2
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Ethernet Software Features

Protocols	TCP/IP, IPv4/IPv6, UDP, HTTP, RTP/RTSP, ARP, UPnP, FTP, TFTP, SMTP, NTP Client, DNS, DDNS, QoS, IGMP v3, ICMP, SNMPv1/v2c/v3, Modbus TCP, HTTPS, 802.1X, NTCIP
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Security Functions

Password	User-level password protection
Filter	IP address
Authentication	802.1X
Encryption	HTTPS

LED Interface

LED Indicators	STAT: Indicates if system is booted up properly or not Power 1: Power 1 on/off Power 2: Power 2 on/off FAULT: Can be configured to correspond to system alarm, power failure, or disconnected network Video: Video input signal PTZ: Indicates if PTZ or COM port data has been transmitted SD: Indicates if SD card was mounted successfully Network: 10 Mbps or 100 Mbps
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Serial Interface

PTZ Port	1, RS-232 or RS-422/485 port, terminal block connector, 115.2 kbps
COM Port	1, RS-232 or RS-485 port, DB9 male connector, 115.2 kbps
Console Port	1 RS-232 port, 10-pin RJ45 (115200, n, 8, 1)

Power Parameters

No. of Power Inputs	2
Input Voltage	Redundant dual inputs
Operating Voltage	12 to 32 VDC, 18 to 30 VAC
Input Current	0.85 A @ 12 VDC, 0.3 A @ 32 VDC 0.56/0.85 A @ 30/18 VAC
Power Connector	2-pin terminal block

Video Interface

Video Compression	H.264 (ISO/IEC 14496-10) or MJPEG
Video Input	1, BNC connector (1.0 Vpp, 75 ohm)
Video Output	via Ethernet
Video Streams	4 independent H.264 or MJPEG video streams
NTSC/PAL	Auto-sensing or manual

Video Resolution and FPS (frames per second)	NTSC		PAL		
	Size	Max. FPS	Size	Max. FPS	
	QCIF	176 x 112	30	176 x 144	25
	CIF	352 x 240	30	352 x 288	25
	VGA	640 x 480	30	640 x 480	25
	4CIF	704 x 480	30	704 x 576	25
Full D1	720 x 480	30	720 x 576	25	

Video Viewing	<p>DynaStream™ support for changing the video frame rate automatically</p> <p>CBR Pro™ for good image quality in limited bandwidth transmissions</p> <p>Adjustable image size and quality</p> <p>Timestamp and text overlay</p> <p>OSD (On Screen Display) position adjustable</p> <p>Image manipulation: 180° rotation</p> <p>Image tuning: control brightness, contrast, saturation</p> <p>Maximum of 10 simultaneous unicast connections, 50 multicast clients</p>
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Audio Interface

Audio Inputs	1 Line-in or MIC-in with 3.5 mm phone jack
Audio Outputs	1 Line-out, with 3.5 mm phone jack
Audio Format	Mono, PCM (G.711)

Camera Software Development

VPort SDK PLUS	Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third-party developers
Video Standards	ONVIF Profile S

Camera PAN/TILT/ZOOM

PTZ Camera Control	Via PTZ port or COM port
PTZ Control Functions	Pan, tilt, zoom, focus, move speed, preset position (max. 128 positions)
PTZ Function Updates	Driver upload supported
Protocols	Pelco D, Pelco P, Custom Camera

Camera Alarm Software Features

Intelligent Video	Camera tampering detection
Video Motion Detection	3 independently configurable areas
Scheduling	Daily repeat timing schedule
Imaging	JPEG snapshots for pre/trigger/post alarm images
Custom Alarms	HTTP event servers for setting customized alarm actions
Email/FTP Messaging	Automatic transfer of stored images via email or FTP as event-triggered actions
Pre-Alarm Buffer	50 MB video buffer for JPEG snapshot images
Video Recording	Event recordings stored on the SD card

Software Requirements

Memory Size	1 GB
Operating System	Windows 7 or above
Browser	Internet Explorer 9.x or above
Multimedia	DirectX 9.0C or above

Physical Characteristics

Housing	Metal
Dimensions	46 x 134 x 105 mm (1.81 x 5.31 x 4.13 in)
Weight	710 g (1.57 lb)
Installation	DIN-rail mounting, Wall mounting (with optional kit)

Environmental Limits

Operating Temperature	Standard Models: -25 to 60°C (-13 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	2000 m

Standards and Certifications

EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF IEC 61000-4-11 DIPs
Freefall	IEC 60068-2-31
Safety	UL 60950-1
Shock	IEC 60068-2-27
Traffic Control	NEMA TS2
Vibration	IEC 60068-2-6

MTBF

Time	647,088 hrs
Standards	Telcordia SR332

Warranty

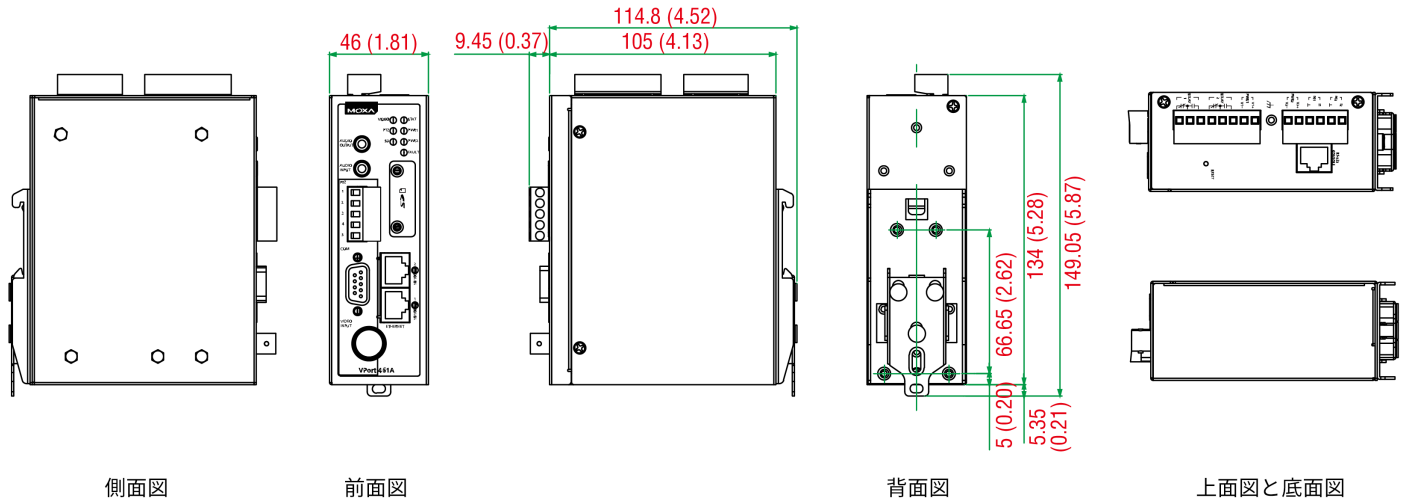
Warranty Period	5 years
Details	See www.moxa.com/jp/warranty

Package Contents

Device	1 x VPort 461A Series video encoder
Installation Kit	1 x terminal block, 6-pin 1 x terminal block, 8-pin 1 x terminal block, 5-pin
Documentation	1 x document and software CD 1 x quick installation guide 1 x warranty card

寸法

単位：mm（インチ）



注文情報

Model Name	Video Interface	Audio Interface	Local Storage	Power Input	Operating Temp.	Mounting
VPort 461A	1-channel analog video input	1 x line-in, 1 x line-out	SD slot, SDXC interface	Redundant power inputs with 2 x 12/24 VDC, 24 VAC power supplies	-25 to 60°C	DIN-rail mount or Panel mount (with optional kit)
VPort 461A-T	1-channel analog video input	1 x line-in, 1 x line-out	SD slot, SDXC interface	Redundant power inputs with 2 x 12/24 VDC, 24 VAC power supplies	-40 to 75°C	DIN-rail mount or Panel mount (with optional kit)

アクセサリ（別売）

Power Supplies

DR-120-24	120W/2.5A DIN-rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, or 248 to 370 VDC input, -10 to 60°C operating temperature
DR-4524	45W/2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 50°C operating temperature
DR-75-24	75W/3.2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60°C operating temperature
MDR-40-24	DIN-rail 24 VDC power supply with 40W/1.7A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature
MDR-60-24	DIN-rail 24 VDC power supply with 60W/2.5A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature

Wall-Mounting Kits

WK-46	Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm
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WK-46-01

Wall-mounting kit, 2 plates, 8 screws, 46 x 66.8 x 2 mm

Rack-Mounting Kits

RK-4U

19-inch rack-mounting kit

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