

VPort 464 系列

卓越視訊效能，4 頻道工業視訊編碼器



特色與優點

- 每個頻道同時支援 2 D1 30 fps 串流，或將一個四串流 30fps 影像分成 4 個頻道
- 影像延遲小於 200 毫秒
- 2 組乙太網路連接埠，提供串聯或乙太網路連接埠備援
- DynaStream™ 可優化網路效能
- 符合 ONVIF 中標準化和互操作性
- SD 卡插槽可供本機儲存能力
- 工業設計，-40 至 75°C 操作溫度

認證



簡介

VPort 464 4 頻道工業視訊編碼器使用 H.264 視訊壓縮演算法，提供市面上最佳的視訊品質，但頻寬需求比其他視訊壓縮標準要求更小。此外，為了滿足各種需求，VPort 464 的每個頻道可同時支援 2 x 影像串流，或者您可以使用 H.264 和 MJPEG 壓縮格式將所有 4 x 頻道合併為 1 x 四串流，為各種用途提供更大的靈活性，包括檢視、錄製及分析。VPort 464 採用堅固耐用的工業設計，包括 -40 至 75°C 寬溫作業能力、IP30 等級的防護和工業級認證，適用於嚴苛環境。

VPort 464 配備兩個乙太網路連接埠，並支援串聯模式及網路備援。此外，Moxa 創新的 DynaStream™ 技術在網路過載時自動降低影像幀速率，讓您控制網路頻寬預算並簡化網路系統管理。CBR Pro™ 功能可在有限頻寬傳輸下保證最低封包遺失，確保影像不會出現馬賽克效果。

規格

Memory	
microSD Slot	SDXC
Input/Output Interface	
Digital Input Channels	4
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

Ethernet Software Features

Protocols	TCP/IP IPv4/IPv6 UDP HTTP RTP/RTSP ARP UPnP FTP TFTP NTP Client DNS 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 SSH

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	1 A @ 12 VDC 0.3 A @ 32 VDC 0.92 A @ 18 VAC 0.56 A @ 30 VAC
Power Connector	2-pin terminal block

Video Interface

Video Compression	H.264 (ISO/IEC 14496-10) or MJPEG				
Video Input	4, BNC connector (1.0 Vpp, 75 ohm)				
Video Output	via Ethernet				
Video Streams	2 independent H.264 or MJPEG video streams 1 quad (4-channel images) stream				
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
	4CIF	704 x 480	30	704 x 576	25
	CIF	352 x 240	30	352 x 288	25
	VGA	640 x 480	30	640 x 480	25
	QVGA	320 x 240	30	320 x 240	25
	Full D1	720 x 480	30	720 x 576	25
	Quad View	1440 x 960	30	1440 x 1152	25
Video Viewing	DynaStream™ support for changing the video frame rate automatically CBR Pro™ for good image quality in limited bandwidth transmissions Adjustable image size and quality Timestamp and text overlay OSD (On Screen Display) position adjustable Maximum of 10 simultaneous unicast connections, 50 multicast clients Image tuning control: brightness, contrast, saturation, sharpness, noise reduction				

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

Video Standards	ONVIF Profile S
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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
FTP Messaging	Automatic transfer of stored images via 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	80.2 x 135 x 105 mm (3.16 x 5.31 x 4.13 in)
Weight	1130 g (2.49 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
Freefall	IEC 60068-2-31
Safety	UL 60950-1
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6

MTBF

Time	827,831 hrs
Standards	Telcordia SR332

Warranty

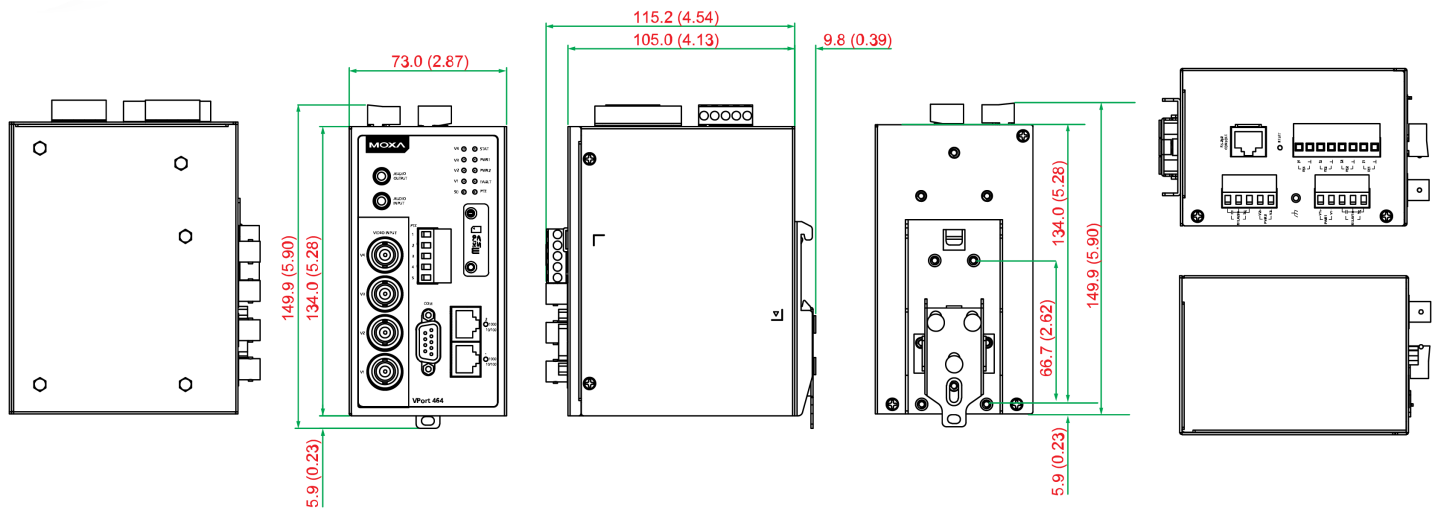
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x VPort 464 Series video encoder
Installation Kit	2 x terminal block, 5-pin 1 x terminal block, 8-pin 1 x terminal block, 5-pin
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Video Interface	Audio Interface	Local Storage	Power Input	Operating Temp.	Mounting
VPort 464	4-channel analog video input	1 x line-in, 1 x line-out	microSD 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 464-T	4-channel analog video input	1 x line-in, 1 x line-out	microSD 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)

配件（選購）

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-51-01	Wall mounting kit with 2 plates (51.6 x 67 x 2 mm) and 6 screws
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Rack-Mounting Kits

RK-4U

19-inch rack-mounting kit

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