# VPort 36-1MP Series Quick Installation Guide

# Edition 4.0, March 2017

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#### Overview

The VPort 36-1MP Series is the world's first rugged IP camera that can withstand environmental temperatures ranging from -40 to 75°C without a heater or fan. It is an industrial-grade, H.264 box-type IP camera that combines HD resolution (1280 x 720), advanced IVA (Intelligent Video Analysis) technology, and de-mist technology to enhance surveillance system efficiency while delivering state-of-the art video quality. Optional housing and PT scanner accessories are available for indoor and outdoor installation.

The VPort 36-1MP Series is designed to be compatible with C/CS mount lenses to meet any viewing angle and distance requirement. With a built-in removable IR-cut filter and automatic color mode switching, the VPort 36-1MP Series is suitable for day-and-night use. Highly-tuned ROI (Region of Interest), BLC (Black Level Control), and WDR (Wide Dynamic Range) functions enable the VPort 36-1MP Series to produce exceptionally clear images. The VPort 36-1MP Series can encode analog video into both H.264 and MJPEG video streams and can transmit up to 3 independent video streams (2 in H.264, and 1 in MJPEG) simultaneously. Advanced video encoding technology enables the camera to support up to 30 fps for each of the H.264 and MJPEG streams.

# Package Checklist

Moxa's VPort 36-1MP Series is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance.

1 VPort 36-1MP series camera (one of models below)

Model Name	Description
VPort 36-1MP	VPort 36-1MP, PoE, 0 to 60°C operating
	temperature
VPort 36-1MP-T	VPort 36-1MP, PoE, -40 to 75°C operating
	temperature
VPort 36-1MP-IVA	VPort 36-1MP, PoE, 0 to 60°C operating
	temperature, 1 IVA license
VPort 36-1MP-IVA-T	VPort 36-1MP, PoE, -40 to 75°C operating
	temperature, 1 IVA license
VPort 36-1MP-DM	VPort 36-1MP, PoE, 0 to 60°C operating
	temperature, de-mist function

Screw handle accessory package

Inner hexagon	C/CS mount adapter	5-pin terminal block
screwdriver for	ring	for DI and relay
tightening/ loosening		
lens holder		

3-pin terminal block for power input	2-pin terminal block for RS-485 DX+ and DX-	

- Quick installation guide (printed)
- Documentation & software CD (includes User's Manual, Quick Installation Guide, and VPort Utility)
- Warranty card

**NOTE** Check the model name on the VPort's side label to determine if the model name is correct for your order.

**NOTE** This product must be installed in compliance with your local laws and regulations.

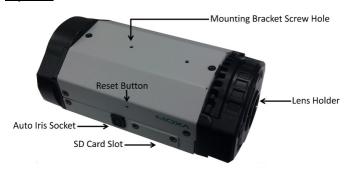
#### **Features**

- Industrial design with -40 to 75°C operating temperature (heater or cooling fan not required)
- 1/2.7" progressive scan CMOS camera with HD resolution (max. 1280 x 720)
- DNR, WDR for superb image quality
- · Triple video streams with H.264 and MJPEG
- Compatible with C/CS-mount lenses with built-in ICR support
- EN 50121-4 and NEMA TS2 compliant
- DynaStream<sup>™</sup> support for maximum network efficiency
- · Local storage capability with SD card slot

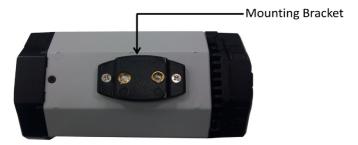
**NOTE** Lens must be purchased separately.

# **Product Description**

#### **Top View**



#### **Bottom View**



NOTE The product is shipped with the mounting bracket fastened to the bottom of the camera. However, the bracket can be removed and repositioned to the top of the camera, depending on your deployment requirements.

- Auto Iris Socket: Plug the auto-iris cable from camera lens into this socket to use the auto-iris function.
- Lens Holder: The lens holder is designed for CS mount lenses; a C/CS adaptor must be used to mount C lenses. For details, see the HW installation section of this manual.
- SD Card Slot: Remove the SD card slot cover and insert an SD card for disconnection/event local storage.
- Mounting Bracket Screw Holes: For fastening mounting brackets.
- Reset Button: Use a pointed object to push in the reset button to reboot. Push and hold the button until the system reboots to restore factory defaults.

#### **Back Panel View**



- 1. 5-pin terminal block for DI and relay connection
- 2. 2-pin terminal block for RS-485 pin connection
- 3. RJ45 port for PoE/non-PoE connection
- 4. Ground screw for connecting a grounding wire
- 5. 3-pin terminal block for power input
- LED indicator to show network and system status. Green indicates normal operation.
- LED indicator to show power status. Green indicates normal operation.

NOTE The VPort 36-1MP can be powered by a 12-32 VDC or 18-30 VAC power input, or Power over Ethernet (PoE, 802.3af). For power redundancy, use DC or AC power together with PoE.

#### Hardware Installation

Step 1: Remove the lens cover.



Step 2: Loosen the lens holder screw with the torx screwdriver.



Step 3: Remove the lens holder.



NOTE Be sure to loosen the screw affixing the lens holder in step 2 before trying to remove the lens holder. The lens holder may be too tight to loosen if the screw is not loosened first.

Step 4: Screw the lens holder to the lens you are going to use.



**NOTE** Be sure to screw the lens holder to the lens on the right side. The side of the lens holder with the groove should be facing the lens; the side without the groove should be facing outwards.

#### Step 5: Screw the lens and lens holder to the VPort 36-1MP.

**NOTE** We strongly suggest that you perform this step while viewing live video from the camera via a web browser for instant feedback on when to stop. Be sure not to tighten the screw all the way, or the lens holder may remain fixed to the camera when you remove the lens.

**NOTE** You can tighten the lens holder screw (see Step 2) to fix the position of the lens holder and lens.

NOTE You do not need to use the C/CS mount adaptor ring if you are using the VPort 36-1MP series with an optional lens purchased from Moxa. It is only required to mount the lens with the adaptor ring if you are using a C mount type lens.

#### Step 6: Power on your VPort 36-1MP.

NOTE The VPort 36-1MP can be powered by a 12-32 VDC or 18-30 VAC power input, or Power over Ethernet (PoE, 802.3af). For power redundancy, use DC or AC power together with PoE.

#### Software Installation

#### Step 1: Configure the VPort 36-1MP's IP address.

When the VPort 36-1MP is first powered on, the POST (Power On Self Test) will run for a few moments (about 30 seconds). The network environment determines how the IP address is assigned.

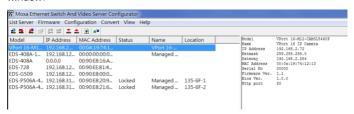
#### **Network Environment with DHCP Server**

For this network environment, the unit's IP address will be assigned by the network's DHCP server. Refer to the DHCP server's IP address table to determine the unit's assigned IP address. You may also use the Moxa VPort and EtherDevice Configurator Utility (edscfgui.exe), as described below:

# Using the Moxa VPort and EtherDevice Configurator Utility (edscfgui.exe)

Run the **edscfgui.exe** program to search for the VPort. After the utility's window opens, you may also click on the **Search** button to initiate a search.

When the search has been completed, the Model Name, MAC address, IP address, serial port, and HTTP port of the VPort will be listed in the utility's window.



You can double click the selected VPort, or use the IE web browser to access the VPort's web-based manager (web server).

#### Non DHCP Server Network Environments

If your VPort 36-1MP is connected to a network that does not have a DHCP server, then you will need to configure the IP address manually. The default IP address of the VPort 36-1MP is 192.168.127.100 and the default subnet mask is 255.255.255.0. Note that you may need to change your computer's IP address and subnet mask so that the computer is on the same subnet as the VPort.

To change the IP address of the VPort manually, access the VPort's web server, and then navigate to the **System Configuration** → **Network** → **General** page to configure the IP address and other network settings. Check the **Use fixed IP address** to ensure that the IP address you assign is not deleted each time the VPort is restarted.

#### Step 2: Access the VPort 36-1MP's web-based manager

Type the IP address in the web browser's address input box and then press enter.

#### Step 3: Install the ActiveX Control Plug-in

A security warning message will appear the first time you access the VPort's web-based manager. The message is related to installing the VPort AcitveX Control component on your PC or notebook. Click **Yes** to install this plug-in to enable the IE web browser for viewing video images.



NOTE For Windows XP SP2 or above operating systems, the ActiveX Control component will be blocked for system security reasons. In this case, the VPort's security warning message window may not appear. Users should unlock the ActiveX control blocked function or disable the security configuration to enable the installation of the VPort's ActiveX Control component.

# Step 4: Access the homepage of the VPort 36-1MP's web-based manager.

After installing the ActiveX Control component, the homepage of the VPort 36-1MP's web-based manager will appear. Check the following items to make sure the system was installed properly:

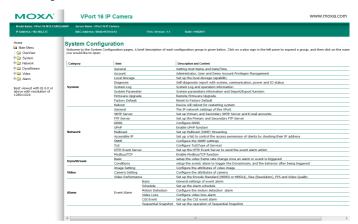
- 1. Video Images
- 2. Video Information



#### Step 5: Access the VPort's system configuration.

To change the configuration, click **System Configuration** to view the system configuration overview page. **Model Name, Server Name, IP Address, MAC Address**, and **Firmware Version** appear on the green bar near the top of the page. Use this information to check the system information and installation.

For configuration details, check the User's Manual on the software CD.



## Wiring Requirements



## Safety First!

- Be sure to disconnect the power cord before installing and/or wiring your Moxa VPort 36-1MP.
- Calculate the maximum possible current in each power wire and common wire, and observe all electrical codes dictating the maximum current allowable for each wire size.
- If the current exceeds the maximum ratings, the wiring could overheat, resulting in serious damage to your equipment.

You should also pay attention to the following:

- Use separate paths to route wiring for power and devices. If power wiring and device wiring paths must cross, make sure the wires are perpendicular at the intersection point.
- You can use the type of signal transmitted through a wire to determine which wires should be kept separate. The rule of thumb is that wiring that shares similar electrical characteristics can be bundled together.
- Keep input wiring and output wiring separated.
- · We strongly advise labeling the wiring to all devices in the system.

# **Specifications**

Camera					
Sensor	1/2.7" HD progressive scan CMOS				
Lens	C/CS mount lens				
Auto Iris Type	DC drive (lens not included with product)				
Illumination	Color: 0.2	2 lux at F1.2			
	B/W: 0.0	5 lux at F1.2			
Synchronization	Internal				
White Balance	ATW/AW	B (range: 3200	0 to 10	000 °K)	
Wide Dynamic	Color: 10	0 dB			
Range	B/W: 110	) dB			
Electronic Shutter	AES: 1/3	0 to 1/25,000	second	d	
	Fixed: 1/	50, 1/100, 1/2	50, 1/	500, 1/1000, 1	/2000,
	1/4000,	1/10000 sec			
Gamma Correction	0.45 or 1	.0 (default is 0	0.45)		
S/N Ratio	50 dB (G	amma, Apertu	re, AG	C OFF, DNR O	N)
ICR control	Auto (ligh	nt sensor conti	ol) or	DI control	
DNR	Built-in				
WDR	On/Off				
AGC Control	On/Off				
Flicker Control	On/Off				
Backlight	On/Off				
Compensation					
Auto Exposure	On/Off				
Image Rotation	Flip, Mirre	or, and 180° r	otation	]	
Image Setting	Manual to	uning of bright	ness, s	saturation, cor	trast,
	and shar	oness			
Video					
Video Compression	H.264 (IS	SO/IEC 14496-	10) or	MJPEG	
Video Output	Via Ether	net			
Video Streams	Maximum of 3 video streams (2x H.264 and 1x MJPEG)		1x		
	,	: H.264, max.	resolu	tion 1280x720	)
	Stream 1: H.264, max. resolution 1280x720 Stream 2: H.264, max. resolution 720x480				
	Stream 3: MJPEG, max. resolution 720x480				
	Note: Str	eams 2 and 3 r	nust be	e the same res	olution.
Video Resolution		NTSC		PAL	
and FPS		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	30	640 x 480	25
	4CIF	704 x 480	30	704 x 576	25
	Full D1	704 x 480 720 x 480	30	704 x 576 720 x 576	25
	SVGA	800 x 600	30	800 x 600	25
	HD	1280 x 720	30	1280 x 720	25
	1 '	25 FPS for ead	ch of 3	independent s	treams

	T = 2:
Video Viewing	<ul> <li>DynaStream<sup>™</sup> supported for changing the</li> </ul>
	video frame rate automatically
	<ul> <li>3 privacy mask areas provided</li> </ul>
	<ul> <li>Adjustable image size and quality</li> </ul>
	<ul> <li>Timestamp and text overlay</li> </ul>
	<ul> <li>Maximum of 10 simultaneous unicast</li> </ul>
	connections
	ROI (Region of Interest) configuration for up to
	3 areas
PTZ	Digital PTZ
Network	
Protocols	TCP, UDP, HTTP, SMTP, FTP, Telnet, NTP, DNS,
	DHCP, UPnP, RTP, RTSP, ICMP, IGMPv3, QoS,
	SNMPv1/v2c/v3, DDNS, Modbus/TCP, 802.1X,
	SSH/SSL
Ethernet	1 10/100BaseT(X) Ethernet port, RJ45 connector
Standard	OnVIF
Local Storage	
SD socket	Standard SD socket (SDHC)
GPIO	
Digital input	1, max. 8mA
	Low: +13V to +30V
	High: -30 to +3V
Relay output	1, max. 24 VDC @ 1 A
Serial Interface	1,,
RS-485	1 full-duplex RS-485 port
LED Indicators	Trail deploy to 100 port
STAT	Indicates if the system booted properly or not
Network	10 Mbps or 100 Mbps
Power	Power on/off
Power	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Input	12 VDC, 24 VDC, 24 VAC or Power over Ethernet
	(PoE, 802.3af)
Physical Characte	
Housing	Metal housing, IP30 rated
Housing Dimensions	Metal housing, IP30 rated 78 x 65 x 150 mm
Dimensions	78 x 65 x 150 mm
•	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting,
Dimensions	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting
Dimensions	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or
Dimensions Installation	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting
Dimensions	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)
Dimensions Installation  Security Password	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection
Dimensions Installation  Security Password Filtering	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address
Dimensions Installation  Security Password Filtering Authentication	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X
Dimensions Installation  Security Password Filtering Authentication Encryption	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH
Dimensions Installation  Security Password Filtering Authentication Encryption	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting,
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting, alert zone, missing object, loitering object (except
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm Intelligent video	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting, alert zone, missing object, loitering object (except for camera tamper, IVA functions are optional)
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm Intelligent video	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting, alert zone, missing object, loitering object (except
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm Intelligent video  Video Motion Detection	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting, alert zone, missing object, loitering object (except for camera tamper, IVA functions are optional) 3 independently configurable motion areas
Dimensions Installation  Security Password Filtering Authentication Encryption Alarm Intelligent video	78 x 65 x 150 mm  Wall mounting, ceiling mounting, pole mounting, corner mounting (You may need to purchase external housing and/or mounting accessories separately.)  User level password protection By IP address 802.1X SSL/SSH  Camera tampering, virtual fence, object counting, alert zone, missing object, loitering object (except for camera tamper, IVA functions are optional)

As event-triggered actions Custom Alarms HTTP event servers and CGI events for setting customized alarm actions Pre-alarm Buffer Environmental Limits Operating Temperature Standard Models: 0 to 60°C (32 to 140°F) Temperature Wide Temp. Models: -40 to 75°C (-40 to 167°F) Storage -40 to 85°C (-40 to 185°F) Temperature Ambient Relative Humidity Regulatory Approvals Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending) EMI FCC Part 15, CISPR 32 class A EMS EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-7 (Surge), Level 3 EN 61000-4-8, EN 61000-4-1 Shock IEC 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 Warranty Warranty period Details See www.moxa.com/warranty Minimum Viewing System Requirements CPU: Pentium 4, 2.4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-C1701 (IP68 Indoor/Outdoor Housing) VP-C1815 (Pole Mount Bracket) VP-C1815 (Pole Mount Bracket)	E 11/ETD	I
Custom Alarms HTTP event servers and CGI events for setting customized alarm actions Pre-alarm Buffer 24 MB video buffer for JPEG snapshot images Environmental Limits Operating Standard Models: 0 to 60°C (32 to 140°F) Temperature Wide Temp. Models: -40 to 75°C (-40 to 167°F) Storage -40 to 85°C (-40 to 185°F) Temperature Ambient Relative 5 to 95% (non-condensing) Humidity Regulatory Approvals Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending) EMI FCC Part 15, CISPR 32 class A EMS EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-7 (Surge), Level 3 EN 61000-4-8, EN 61000-4-11 Shock IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-32 Vibration IEC 60068-2-6 Warranty Warranty period 5 years Details See www.moxa.com/warranty Minimum Viewing System Requirements CPU: Pentium 4, 2, 4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Encolosure VP-C1701 (IP68 Indoor/Outdoor Housing) VP-C1815 (Pole Mount Bracket)	Email/FTP	Automatic transfer of stored images via email or FTP
customized alarm actions  Pre-alarm Buffer 24 MB video buffer for JPEG snapshot images  Environmental Limits  Operating Standard Models: 0 to 60°C (32 to 140°F)  Wide Temp. Models: -40 to 75°C (-40 to 167°F)  Storage -40 to 85°C (-40 to 185°F)  Temperature Ambient Relative  Humidity  Regulatory Approvals  Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI FCC Part 15, CISPR 32 class A  EMS EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-8, EN 61000-4-11  Shock IEC 60068-2-27  Freefall IEC 60068-2-27  Freefall IEC 60068-2-32  Vibration IEC 60068-2-6  Warranty  Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2, 4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-C1701 (IP68 Indoor/Outdoor Housing)  VP-C1815 (Pole Mount Bracket)  VP-C1815 (Pole Mount Bracket)	0	55
Pre-alarm Buffer Environmental Limits  Operating Standard Models: 0 to 60°C (32 to 140°F) Temperature Wide Temp. Models: -40 to 75°C (-40 to 167°F) Storage -40 to 85°C (-40 to 185°F) Temperature  Ambient Relative Humidity  Regulatory Approvals Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending) EMI FCC Part 15, CISPR 32 class A EMS EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-4 (EFT), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-8, EN 61000-4-8, EN 61000-4-1 IEC 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-6  Warranty Warranty period 5 years Details See www.moxa.com/warranty Minimum Viewing System Requirements CPU: Pentium 4, 2.4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-C1701 (IP68 Indoor/Outdoor Housing) VP-C1815 (Pole Mount Bracket)	Custom Alarms	
Environmental Limits Operating Temperature Wide Temp. Models: -40 to 75°C (-40 to 167°F) Temperature Ambient Relative Humidity  Regulatory Approvals Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending) EMS EMS EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-11 Shock IEC 60068-2-27 Freefall IEC 60068-2-32 Wibranty Warranty Warranty Warranty Warranty Warranty Werranty Wiminimum Viewing System Requirements CPU: Pentium 4, 2.4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-C1800 (Wall Mount Bracket) VP-C1815 (Pole Mount Bracket)		
Operating Temperature  Storage  -40 to 85°C (-40 to 185°F) Temperature  Ambient Relative Humidity  Regulatory Approvals  Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-8, EN 61000-4-8, EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
Temperature Wide Temp. Models: -40 to 75°C (-40 to 167°F) Storage		
Storage Temperature Ambient Relative Humidity  Regulatory Approvals Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-7 (SS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Wibration  Warranty  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI800 (Wall Mount Bracket)  VP-CI801 (Pole Mount Bracket)		
Temperature Ambient Relative Humidity  Regulatory Approvals  Safety UL 60950-1, EN 50121-4, NEMA TS2, Class 1		
Ambient Relative Humidity  Regulatory Approvals  Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-6, (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI800 (Wall Mount Bracket)  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Storage	-40 to 85°C (-40 to 185°F)
Humidity  Regulatory Approvals  Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Wibration  IEC 60068-2-32  Wibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-C1800 (Wall Mount Bracket)  VP-C1815 (Pole Mount Bracket)	Temperature	
Regulatory Approvals  Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-4 (EFT), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty  Warranty period  5 years  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-C1701 (IP68 Indoor/Outdoor Housing)  VP-C1800 (Wall Mount Bracket)  VP-C1815 (Pole Mount Bracket)		5 to 95% (non-condensing)
Safety  UL 60950-1, EN 50121-4, NEMA TS2, Class 1 Division 2 (Pending), Atex Zone 2 (Pending)  EMI  FCC Part 15, CISPR 32 class A  EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-4 (EFT), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-7 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Wibration  IEC 60068-2-32  Wibration  Berails  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Humidity	
Division 2 (Pending), Atex Zone 2 (Pending)  EMI FCC Part 15, CISPR 32 class A  EMS EN 61000-4-2 (ESD), Level 3  EN 61000-4-3 (RS), Level 3  EN 61000-4-5 (Surge), Level 3  EN 61000-4-5 (Surge), Level 3  EN 61000-4-6 (CS), Level 3  EN 61000-4-8,  EN 61000-4-11  Shock IEC 60068-2-27  Freefall IEC 60068-2-32  Vibration IEC 60068-2-6  Warranty  Warranty  Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Regulatory Approv	
EMI FCC Part 15, CISPR 32 class A  EMS EN 61000-4-2 (ESD), Level 3	Safety	l ' '
EMS  EN 61000-4-2 (ESD), Level 3 EN 61000-4-3 (RS), Level 3 EN 61000-4-4 (EFT), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty  Warranty period  5 years  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
EN 61000-4-3 (RS), Level 3 EN 61000-4-4 (EFT), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11 Shock IEC 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-6 Warranty Warranty Warranty period Details See www.moxa.com/warranty Minimum Viewing System Requirements CPU: Pentium 4, 2.4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing) Brackets VP-CI800 (Wall Mount Bracket) VP-CI815 (Pole Mount Bracket)	EMI	
EN 61000-4-4 (EFT), Level 3 EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11 Shock IEC 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-6 Warranty Warranty Warranty period Details See www.moxa.com/warranty Minimum Viewing System Requirements CPU: Pentium 4, 2.4 GHz Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above Software Utility VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing) Brackets VP-CI800 (Wall Mount Bracket) VP-CI815 (Pole Mount Bracket)	EMS	
EN 61000-4-5 (Surge), Level 3 EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		* **
EN 61000-4-6 (CS), Level 3 EN 61000-4-8, EN 61000-4-11  Shock  IEC 60068-2-27  Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
EN 61000-4-8,		, , ,
EN 61000-4-11  Shock IEC 60068-2-27  Freefall IEC 60068-2-32  Wibration IEC 60068-2-6  Warranty  Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPOrt SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		* **
Shock IEC 60068-2-27 Freefall IEC 60068-2-32 Vibration IEC 60068-2-6  Warranty Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		1
Freefall  IEC 60068-2-32  Vibration  IEC 60068-2-6  Warranty  Warranty period  Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
Warranty  Warranty  Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
Warranty Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Freefall	IEC 60068-2-32
Warranty period 5 years  Details See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Vibration	IEC 60068-2-6
Details  See www.moxa.com/warranty  Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Warranty	
Minimum Viewing System Requirements  CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory  OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Warranty period	,
CPU: Pentium 4, 2.4 GHz  Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7  Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Details	See www.moxa.com/warranty
Memory: 512 MB of memory OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above  Software Utility VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing) Brackets  VP-CI800 (Wall Mount Bracket) VP-CI815 (Pole Mount Bracket)	Minimum Viewing	System Requirements
OS: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7 Browser: Internet Explorer 6.x or above Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	CPU: Pentium 4, 2.4	GHz
Browser: Internet Explorer 6.x or above  Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
Multimedia: DirectX 9.0c or above  Software Utility  VPort SDK PLUS  Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure  VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets  VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	OS: Windows XP/200	00 with SP4 or above, Windows Vista, Windows 7
VPort SDK PLUS Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing) Brackets VP-CI800 (Wall Mount Bracket) VP-CI815 (Pole Mount Bracket)	Browser: Internet Ex	cplorer 6.x or above
Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	Multimedia: DirectX	9.0c or above
library for customized applications or system integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-C1701 (IP68 Indoor/Outdoor Housing)  Brackets VP-C1800 (Wall Mount Bracket)  VP-C1815 (Pole Mount Bracket)	Software Utility	
integration for third third-party developers (the latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)	VPort SDK PLUS	Includes CGI commands, ActiveX Control, and API
latest version of SDK is available for download from Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		library for customized applications or system
Moxa's website).  Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		
Accessories  Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		latest version of SDK is available for download from
Enclosure VP-CI701 (IP68 Indoor/Outdoor Housing)  Brackets VP-CI800 (Wall Mount Bracket)  VP-CI815 (Pole Mount Bracket)		Moxa's website).
Brackets VP-CI800 (Wall Mount Bracket) VP-CI815 (Pole Mount Bracket)	Accessories	
VP-CI815 (Pole Mount Bracket)	Enclosure	VP-CI701 (IP68 Indoor/Outdoor Housing)
	Brackets	VP-CI800 (Wall Mount Bracket)
Lens VP-3112MPIR (3.1 to 8 mm, F1.2, Day&Night)		VP-CI815 (Pole Mount Bracket)
	Lens	, , , , , , , , , , , , , , , , , , , ,
VP-1214MPIR (12.5 to 50 mm, F1.4 Day&Night)		VP-1214MPIR (12.5 to 50 mm, F1.4 Day&Night)

#### **ATEX Information**



1. Certificate number: DEMKO 13 ATEX 1210552X

2. Certification string: Ex nA nC IIC T4 Gc

3. Standards covered:

EN 60079-0:2012+A11:2013, EN 60079-15:2010

- These products are to be installed in an ATEX Certified IP54 enclosure and accessible only by the use of a tool.
- These products are for use in an area of not more than pollution degree 2 in accordance with IEC 60664-1.