# **VPort 26A-1MP Series**

# HD, IP66, vandal-proof, day and night, fixed dome IP cameras



- > -40 to 50°C or -40 to 75°C (T model) operating temperature, without heater or fan
- > 1/2.7" progressive scan camera with maximum 1280 x 800 resolution at up to 30 frames/second
- > DNR and WDR for superb image quality
- > Triple video streams with H.264 and MJPEG
- > 3 to 9 mm day-and-night vari-focal lens with a built-in ICR (removable IR-cut filter ICR)
- > DynaStream™ support for maximum network efficiency
- > CBR Pro™ support for high image quality in limited bandwidth transmissions
- > ONVIF support for standardization and interoperability











# Introduction

The VPort 26A-1MP is an IK10, IP66-rated, fixed dome HD IP camera for harsh, outdoor environments. With a maximum resolution of 1280 x 800, H.264/MJPEG triple video streams, and day-and-night camera lens, the VPort 26A-1MP is especially well-suited for outdoor video surveillance applications.

# **Specifications**

### Camera

Sensor: 1/2.7" HD progressive scan CMOS

Lens: 3X (controlled manually), f=3 mm (wide) to 9 mm (tele), F1.2 to

- · Horizontal angle of view: 112° to 35° Vertical angle of view: 58° to 20°
- Diagonal: 115° to 40°

### Camera Angle (controlled manually): Pan: ±175°, Tilt: 0 to 85°

- Rotation: Pan: ±180° Minimum Illumination: • Color: 0.2 lux at F1.2
- B/W: 0.05 lux at F1.2

Day & Night: Auto/Color/BW; ICR control

Synchronization: Internal White Balance: ATW/AWB

Electronic Shutter: Fixed (1/30 to 1/25000 sec) S/N Ratio: 50 dB (AGC OFF, DNR ON)

ICR Control: Auto (light sensor control) or DI control

**DNR:** Built-in DNR (digital noise reduction)

WDR: Levels 1-8 • color: 100 dB • B/W: 110 dB

AGC (auto gain control): 2X, 4X, 8X, 16X, 32X, 64X

IRIS: Auto, DC drive Auto Exposure: Level ±5

Image Rotation: Flip, Mirror, and 180° rotation

Image Setting: Manual tuning with saturation, sharpness, and contrast

Black Level Control: High, Medium, Low

Video

Video Compression: H.264 (ISO/IEC 14496-10) or MJPEG

Video Output: via Ethernet

Video Streams: 3, H.264, or MJPEG independent video streams

## Video Viewing:

- DynaStream<sup>™</sup> support for changing the video frame rate automatically
- · 3 privacy mask areas provided
- · Adjustable image size and quality
- · Timestamp and text overlay
- Maximum of 5 simultaneous unicast connections, 50 multicast clients
- · ROI (Region of Interest) configuration for up to 3 areas Video Resolution and fps (frames per second):

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
QCIF	176 x 112	30	176 x 144	25
QVGA	320 x 240	30	320 x 240	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
SVGA	800 x 600	30	800 x 600	25
HD	1280 x 720	30	1280 x 720	25

Multiple streams may not support up to 30 FPS.

Audio Inputs: 1 line-in with 2-pin terminal block connector Audio Outputs: 1 line-out with 2-pin terminal block connector

Audio Format: Mono, PCM (G.711)

Network

Protocols: TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DHCP, UPnP, RTP, RTSP, ICMP, IGMPv3, QoS, SNMPv1/v2c/v3, DDNS, Modbus/ TCP, 802.1X, SSH/HTTPS

Ethernet: 1 10/100BaseT(X) Ethernet port, RJ45 connector

**Local Storage** 

SD Socket: Standard SD slot (SDHC)

Digital Inputs: 1, max. 8 mA • High: +13 V to +30 V • Low: -30 V to +3 V

Relay Outputs: 1, max. 24 VDC @ 1 A

### **LED Indicators**

STAT: Indicates if the system is booted properly or not

Network: 10 Mbps or 100 Mbps

Power: Power on/off

DIP Switch: To turn the LED light on/off

**Power Requirements** 

Input Voltage:

 VPort 26A-1MP: 12 to 24 VDC or 24 VAC • VPort P26A-1MP: PoE, IEEE 802.3af

**Input Current:** 

• VPort 26A-1MP: 12 to 24 VDC, 500 mA or 24 VAC, 5.5 W

VPort P26A-1MP: 48 VDC, 180 mA

**Power Consumption:**  VPort 26A-1MP: 5.5 W VPort P26A-1MP: 5.8 W

**Physical Characteristics** 

**Housing:** Metal, IP66 rated for rain and dust protection

Vandal Resistance: EN 62262, IK10

Dimensions:

Diameter: 149 mm (5.86 in) Height: 120 mm (4.72 in) **Weight:** 1.39 kg (3.06 lb)

Installation: Surface mounting (standard), outdoor mounting with

optional accessories

Alarms

Intelligent Video: Tamper alarm

Video Motion Detection: Includes sensitivity settings

**Scheduling:** Daily repeat timing schedule

Imaging: JPEG snapshots for pre/trigger/post alarm images Custom Alarms: HTTP event servers and CGI events for setting

customized alarm actions

Email/FTP Messaging: Automatic transfer of stored images via email

or FTP as event-triggered actions

**Pre-alarm Buffer:** 24 MB video buffer for JPEG snapshot images

Security

Password: User level password protection

Filtering: By IP address Authentication: 802.1X Encryption: HTTPS, SSH Environmental Limits **Operating Temperature:** 

Standard models: -40 to 50°C (-40 to 122°F) Wide temp. models: -40 to 75°C (-40 to 167°F) Storage Temperature: -40 to 85°C (-40 to 185°F) Ambient Relative Humidity: 5 to 95% (non-condensing) Vibration:

IEC 60068-2-6, 2 to 13.2 Hz; 2 mm (peak-peak); 13.2 to 100 Hz; 0.7g;

1.50 hrs/axis

IEC 60068-2-6, 3 to 9 Hz: 7 mm (peak-peak); 9 to 150 Hz: 1.0g;

1.86 hrs/axis

**Shock:** IEC 60068-2-27, 20g/11ms

Altitude: Up to 2000 m

Note: Please contact Moxa if you require products guaranteed to function

properly at higher altitudes

Standards and Certifications

Safety: UL 60950-1

Rail Traffic: EN50121-4: 2006 (VPort 26A-1MP series)

EMI: CISPR 22, 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: 2 kV

IEC 61000-4-6 CS: 10 V

IEC 61000-4-8

MTBF (mean time between failures)

Time: 201.721 hrs Standard: Telcordia SR332 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

0S: Windows XP/2000 with SP4 or above, Windows Vista, Windows 7

Browser: Internet Explorer 9.x or above Multimedia: DirectX 9.0c or above

Note: These preliminary specifications are subject to change without notice. Please check our website or with a sales representative for the most up-to-date

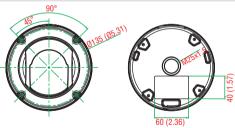
specifications

Software Development

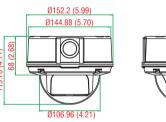
VPort SDK PLUS: Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third third-party developers (the latest version of the SDK is available for

download from Moxa's website). Standard: ONVIF Profile S

# **Dimensions**



Top Views



Unit: mm (inch)

Side Views

# **Ordering Information**

Standard Temp. Models (RJ45: -40 to 50°C; M12: -25 to 55°C)	Wide Temp. Models (-40 to 75°C)	12/24 VDC, 24 VAC Power supply	PoE (802.3af) Power supply
VPort 26A-1MP	VPort 26A-1MP-T	✓	-
VPort P26A-1MP	VPort P26A-1MP-T	-	✓

### **Optional Accessories** (can be purchased separately)

VP-MK2: Wall-mounting or pendant-mounting kit for the VPort 26 series VP-520L: Wall-mounting kit (for fixed dome), 210(D) x 160(H) x 100(W) mm VP-520HB: Pendant-mounting kit for mounting the VPort 26 on the ceiling

VP-CPM: Pole/corner-mounting kit for the VP-520L, 56.6(D) x 156.6(W) x 126(H) mm

DR-4524/75-24/120-24: 45/75/120 W DIN rail 24 VDC power supplies

MDR-40-24/60-24: 40/60 W DIN rail 24 VDC power supplies. -20 to 70°C operating temperature SoftNVR-IA V3.0: 64-channel IP surveillance software for industrial automation applications

### Package Checklist

- VPort 26A-1MP or VPort P26A-1MP IP camera
- Mounting sticker
- 4 self-tapping screws and anchors
- IP66 cable glands
- L-type Torx screwdriver
- Quick installation quide (printed)
- Documentation and software CD
- Warranty card