

# 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 F2.3

- 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™ 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

**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)

### GPIO

**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](http://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 9.x or above

**Multimedia:** DirectX 9.0c or above

*Note: These preliminary specifications are subject to change without notice.*

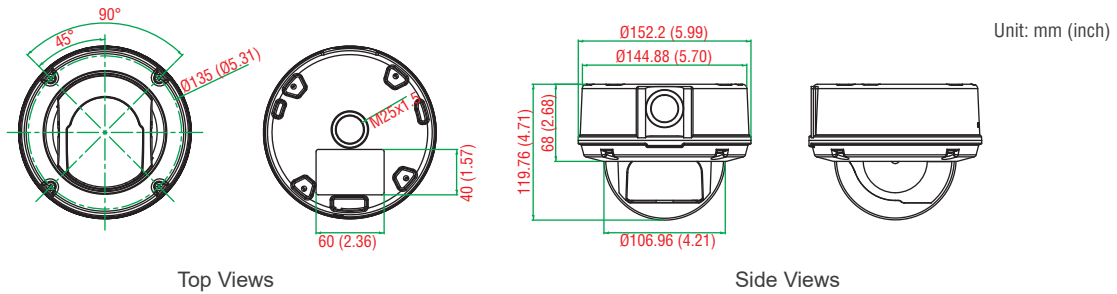
*Please check our website or with a sales representative for the most up-to-date specifications.*

**Software Development**

**VPort SDK PLUS:** Includes CGI commands, ActiveX Control, and API library for customized applications or system integration for third party developers (the latest version of the SDK is available for download from Moxa's website).

**Standard:** ONVIF Profile S

**Dimensions**



**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 guide (printed)
- Documentation and software CD
- Warranty card