

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

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.

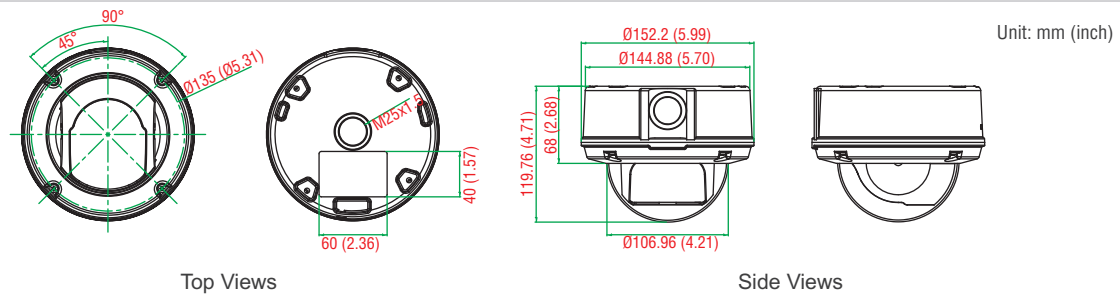
Please check our website or with a sales representative for the most up-to-date specifications.

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