

VPort 07-2 系列

EN 50155 200 萬畫素 H.265 精巧型 IP 攝影機



特色與優點

- 1/2.8 吋逐行掃描攝影機，60 fps 時可達到 1920 x 1080 的解析度
- 以 DNR 和 WDR 提供高畫質影像
- 可同時支援高達 4 組 H.265/H.264 或 MJPEG 獨立影像串流
- DynaStream™ 可優化網路效能
- CBR Pro™ 在有限頻寬傳輸更高畫質的影像
- 符合 ONVIF 中標準化和互操作性

認證



EN 50155



簡介

VPort P07-2 攝影機為精巧型 2 百萬像素 (1920 x 1080)、H.265/H.264/MJPEG 半球型網路攝影機，專為行動視訊監控應用所設計。此系列攝影機符合 EN 62262 IK10、EN 50155 強制部份，¹ 並支援 -40 至 60°C 的操作溫度範圍。VPort P07-2 攝影機配備堅固耐用的 M12 乙太網路連接埠、ONVIF Profile S、T、M 標準、PoE 電源輸入、IP66 防護等級，並可選擇更換不同的定焦鏡頭，可在各種極端環境條件下可靠運作，適用於各種行動視訊監控應用。

規格

Ethernet Interface

PoE Ports (10/100BaseT(X), M12 D-coded 4-pin female connector)	1
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Ethernet Software Features

Protocols	TCP/IP IPv4/IPv6 UDP HTTP RTP/RTSP ARP UPnP FTP TFTP SFTP NTP Client DNS QoS IGMP v3 ICMP SNMPv1/v2c/v3 DHCP Opt66/67 HTTPS
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1. 本產品適用於符合 EN 50155 標準所定義的軌道車輛應用。
如需更詳細的說明，請參閱：www.moxa.com/doc/specs/EN_50155_Compliance.pdf

Security Functions

Password	User-level password protection
Filter	IP address
Encryption	HTTPS SSH

Power Parameters

No. of Power Inputs	1
Source of Input Power	PoE (IEEE 802.3af)
Input Current	48 VDC @ 0.097 A
Power Connector	M12 Dcode Ethernet connector

Camera Characteristics

Sensor	1/2.8-in progressive scan CMOS
Lens	VPort P07-2V24M: f=2.4 mm, F2.0, Diagonal 158°, Horizontal 137°, Vertical 76° VPort P07-2V36M: f=3.6 mm, F1.6, Diagonal 117°, Horizontal 95°, Vertical 50° VPort P07-2V42M: f=4.2 mm, F1.6, Diagonal 94°, Horizontal 81°, Vertical 44° VPort P07-2V60M: f=6.0 mm, F1.8, Diagonal 64°, Horizontal 54°, Vertical 30° VPort P07-2V80M: f=8.0 mm, F1.6, Diagonal 48°, Horizontal 40°, Vertical 22°
Minimum Illumination	Color: 0.2 lux, at F1.2 (Gain High, 50 IRE, 1/30 sec)
Synchronization	Internal
White Balance	ATW/AWB
Electronic Shutter	Auto, Fixed (1/30 to 1/25000 sec)
S/N Ratio	Maximum 50 dB (AGC off; DNR on)
DNR (digital noise reduction)	Built-in 2D/3D DNR
WDR (wide dynamic range)	80 dB
AGC (auto gain control)	2X, 4X, 8X, 16X
Flickerless Control	Automatic, 50 Hz, 60 Hz modes
Image Rotation	Flip, Mirror, 90°, 180°, 270° rotation
Image Setting	Manual tuning with saturation, sharpness, and contrast
Camera Angle	Pan: ±15°, Tilt: 35° to 90° for 2.4mm lens, 20° to 70° for 8.0mm lens, 0° to 90° for other lens (controlled manually)

Video Interface

Video Compression	H.265 (MPEG-H part 2/HEVC), H.264 (ISO/IEC 14496-10/AVC), or MJPEG
Video Output	via Ethernet
Video Streams	4 independent video streams

Video Resolution and FPS (frames per second)

	NTSC		PAL	
	Size	Max. FPS	Size	Max. FPS
CIF	352 x 240	60*/30	352 x 288	50*/25
VGA	640 x 480	60*/30	640 x 480	50*/25
4CIF	704 x 480	60*/30	704 x 576	50*/25
Full D1	720 x 480	60*/30	720 x 576	50*/25
SVGA	800 x 600	60*/30	800 x 600	50*/25
HD	1280 x 720	60*/30	1280 x 720	50*/25
WXGA	1280 x 800	60*/30	1280 x 800	50*/25
Full HD	1920 x 1080	60*/30	1920 x 1080	50*/25

Note: * The FPS can be up to 60 and 50 respectively when the WDR function is disabled.

Video Viewing	DynaStream™ support for changing the video frame rate automatically CBR Pro™ for good image quality in limited bandwidth transmissions 3 privacy mask areas provided Adjustable image size and quality Timestamp and text overlay OSD (On Screen Display) position adjustable LDC (Lens distortion correction) for less image warp Maximum of 5 simultaneous unicast connections, 50 multicast clients
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Camera Software Development

Video Standards	ONVIF Profile S, T, M
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Camera Alarm Software Features

Intelligent Video	Camera tampering detection
Video Motion Detection	3 independently configurable areas
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	Video buffer for JPEG snapshot images

Software Requirements

Memory Size	8 GB
Operating System	Windows 10 or above
Browser	Internet Explorer 11 or above Chrome: Version 118 or above Microsoft Edge: Version 118 or above
Multimedia	DirectX 12 or above

Physical Characteristics

Housing	Plastic top cover, metal bottom plate IP66 rain and dust protection IK10 vandal resistant protection Transparent PC cover
Dimensions	110 x 47 mm (4.33 x 1.85 in)

Weight	310 g (0.68 lb)
Installation	Panel mounting

Environmental Limits

Operating Temperature	-30 to 60°C (-22 to 140°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Ingress Protection	IEC 60529, IP66
Vandal Resistance	EN 62262, IK10
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: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Freefall	IEC 60068-2-31
Railway Fire Protection	EN 45545-2
Safety	UL 62368-1 BSMI
Shock	IEC 60068-2-27, IEC 61373, EN 50155
Vibration	IEC 60068-2-64, IEC 61373, EN 50155
Railway	EN 50155 (complies with a portion of EN 50155 specifications)

Warranty

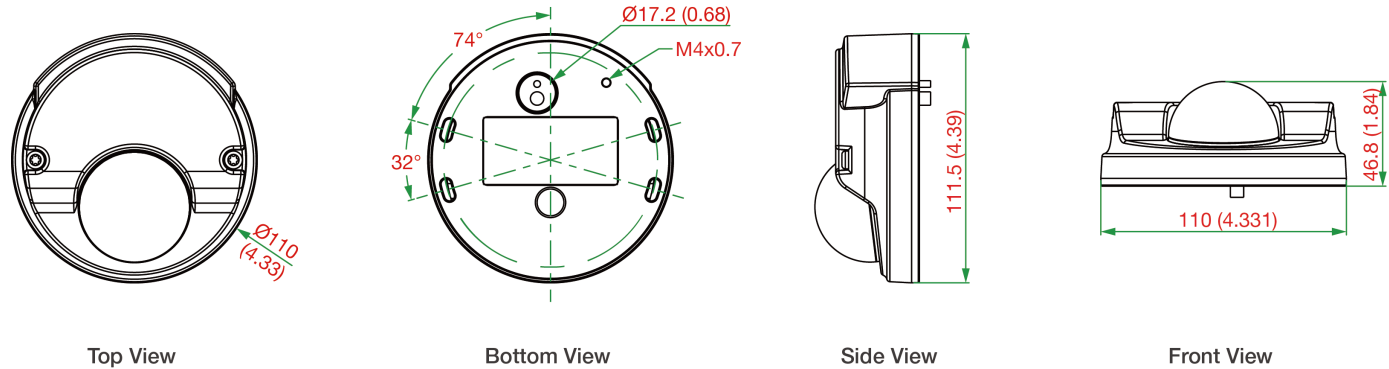
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x VPort P07-2 Series camera
Installation Kit	1 x sticker 1 x L-type Torx screwdriver 4 x indented hexagonal head tapping screws, nuts, gaskets, and spring washers
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Lens	Power Input	Operating Temp.
VPort P07-2V24M	2.4 mm	PoE	-40 to 60°C
VPort P07-2V36M	3.6 mm	PoE	-40 to 60°C
VPort P07-2V42M	4.2 mm	PoE	-40 to 60°C
VPort P07-2V60M	6.0 mm	PoE	-40 to 60°C
VPort P07-2V80M	8.0 mm	PoE	-40 to 60°C

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