

VPort P06-1MP-M12 系列

EN 50155，HD 視訊影像，輕巧型 IP 攝影機



特色與優點

- 1/2.7 吋逐行掃描攝影機，30 fps 時可達到 1280 x 800 之解析度
- 以 DNR 和 WDR 提供高畫質影像
- 可支援高達 3 組 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
- 支援 DHCP options 66 和 67 自動配置
- 內建 1 組音源輸入或是麥克風
- 符合 ONVIF 中標準化和互操作性

認證



EN 50155



簡介

輕巧的 VPort P06-1MP-M12 攝影機提供 HD (720P, 1280 x 720) 視訊影像，擁有 3 組 H.264/MJPEG 視訊串流，它多樣的功能及堅固性，使其適合安裝於各種不同的環境中，以達到行動 IP 視訊監控應用的需求。此外，此系列攝影機符合 EN 50155 的強制要求，¹ 涵蓋操作溫度、電源輸入電壓、突波、ESD 和振動，以及防潮絕緣塗層與電源隔離，使其適用於多種工業應用。此系列攝影機符合防爆等級 (EN 62262 Ik10)、提供 -25 到 55°C 或是 -40 到 70°C (T 型號) 的操作溫度範圍、堅固耐用的 M12 乙太網路連接埠、1 個音源輸入、PoE 電源輸入、IP66 防雨防塵等級、除濕膜以及可選鏡頭。

規格

Ethernet Interface

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

1

Ethernet Software Features

Protocols

TCP/IP, IPv4, UDP, HTTP, RTP/RTSP, ARP, UPnP, FTP, TFTP, SMTP, NTP Client, DNS, DDNS, QoS, IGMP v3, ICMP, SNMPv1/v2c/v3, DHCP Opt66/67, HTTPS

Security Functions

Password

User-level password protection

Filter

IP address

Encryption

HTTPS

Power Parameters

No. of Power Inputs

1

Source of Input Power

PoE (IEEE 802.3af)

Input Current

0.12 A @ 48 VDC

1. 此產品適用於符合 EN 50155 標準所定義的所有軌道車輛應用。如需更詳細的說明，請參閱：
www.moxa.com/doc/specs/EN_50155_Compliance.pdf

Camera Characteristics

Sensor	1/2.7-in HD progressive scan CMOS
Lens	VPort P06-1MP-M12-CAM28 Series: f=2.8 mm, F2.0, Diagonal 126°, Horizontal 113°, Vertical 58° VPort P06-1MP-M12-CAM36 Series: f=3.6 mm, F1.6, Diagonal 99°, Horizontal 94°, Vertical 47° VPort P06-1MP-M12-CAM42 Series: f=4.2 mm, F1.8, Diagonal 87°, Horizontal 80°, Vertical 43° VPort P06-1MP-M12-CAM60 Series: f=6.0 mm, F1.6, Diagonal 60°, Horizontal 55°, Vertical 29° VPort P06-1MP-M12-CAM80 Series: f=8.0 mm, F1.6, Diagonal 45°, Horizontal 40°, Vertical 22°
Camera Angle	Pan: ±30°, Tilt: 0° to 90° (controlled manually)
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)	110 dB
Flickerless Control	Automatic, 50 Hz, 60 Hz modes
Image Rotation	Flip, Mirror, and 180° rotation
Image Setting	Manual tuning with saturation, sharpness, and contrast
AGC (auto gain control)	2X, 4X, 8X, 16X, 32X, 64X
BLC (back light compensation)	High/Medium/Low

Video Interface

Video Compression	H.264 (ISO/IEC 14496-10) or MJPEG
Video Output	via Ethernet
Video Streams	3 independent H.264 or MJPEG video streams

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
WXGA	1280 x 800	30	1280 x 800	25
Note: Multiple streams may not support up to 30 FPS.				

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 Maximum of 5 simultaneous unicast connections, 50 multicast clients
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Audio Interface

Audio Inputs	VPort P06-1MP-M12-MIC Series: 1 x built-in microphone VPort P06-1MP-M12 Series: 1 x Line-in, with RCA connector
Audio Format	Mono, PCM (G.711)

Camera Software Development

Video Standards	ONVIF Profile S
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Camera Alarm Software Features

Intelligent Video	Camera tampering detection
Video Motion Detection	3 independently configurable areas
Scheduling	Daily repeat timing schedule
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

Software Requirements

Memory Size	1 GB
Operating System	Windows 7 or above
Browser	Internet Explorer 9.x or above
Multimedia	DirectX 9.0C 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
Protection	-CT models: PCB conformal coating

Environmental Limits

Operating Temperature	Standard Models: -25 to 55°C (-13 to 131°F) Wide Temp. Models: -40 to 70°C (-40 to 158°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: 1 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 60950-1
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)

MTBF

Time	1,944,687 hrs
Standards	Telcordia SR332

Warranty

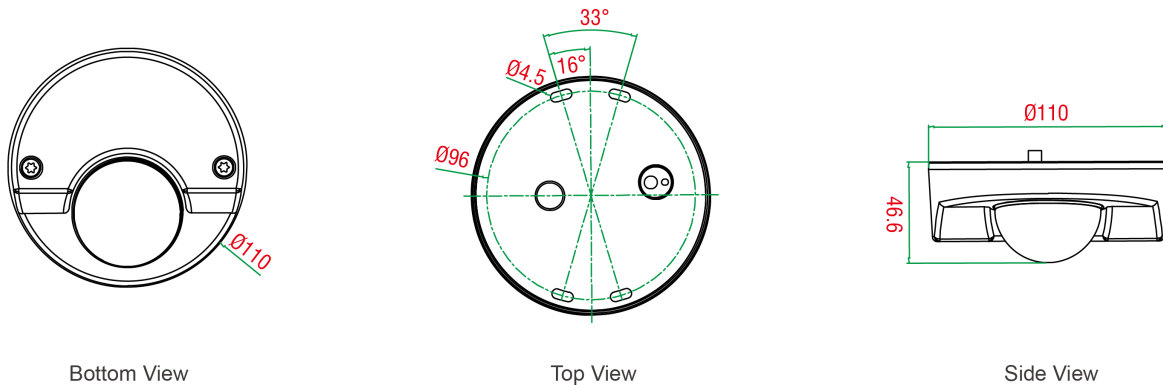
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x VPort P06-1MP-M12 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 document and software CD 1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Lens	Audio Interface	Operating Temp.	Conformal Coating
VPort P06-1MP-M12-CAM28	2.8 mm	Line-in	-25 to 55°C	–
VPort P06-1MP-M12-CAM36	3.6 mm	Line-in	-25 to 55°C	–
VPort P06-1MP-M12-CAM42	4.2 mm	Line-in	-25 to 55°C	–
VPort P06-1MP-M12-CAM60	6.0 mm	Line-in	-25 to 55°C	–
VPort P06-1MP-M12-CAM80	8.0 mm	Line-in	-25 to 55°C	–
VPort P06-1MP-M12-CAM28-T	2.8 mm	Line-in	-40 to 70°C	–
VPort P06-1MP-M12-CAM36-T	3.6 mm	Line-in	-40 to 70°C	–
VPort P06-1MP-M12-CAM42-T	4.2 mm	Line-in	-40 to 70°C	–
VPort P06-1MP-M12-CAM60-T	6.0 mm	Line-in	-40 to 70°C	–
VPort P06-1MP-M12-CAM80-T	8.0 mm	Line-in	-40 to 70°C	–
VPort P06-1MP-M12-MIC-CAM28	2.8 mm	Microphone	-25 to 55°C	–
VPort P06-1MP-M12-MIC-CAM36	3.6 mm	Microphone	-25 to 55°C	–
VPort P06-1MP-M12-MIC-CAM42	4.2 mm	Microphone	-25 to 55°C	–
VPort P06-1MP-M12-MIC-CAM60	6.0 mm	Microphone	-25 to 55°C	–
VPort P06-1MP-M12-MIC-CAM80	8.0 mm	Microphone	-25 to 55°C	–
VPort P06-1MP-M12-MIC-CAM28-T	2.8 mm	Microphone	-40 to 70°C	–
VPort P06-1MP-M12-MIC-CAM36-T	3.6 mm	Microphone	-40 to 70°C	–
VPort P06-1MP-M12-MIC-CAM42-T	4.2 mm	Microphone	-40 to 70°C	–
VPort P06-1MP-M12-MIC-CAM60-T	6.0 mm	Microphone	-40 to 70°C	–

Model Name	Lens	Audio Interface	Operating Temp.	Conformal Coating
VPort P06-1MP-M12-MIC-CAM80-T	8.0 mm	Microphone	-40 to 70°C	–
VPort P06-1MP-M12-CAM28-CT	2.8 mm	Line-in	-25 to 55°C	P
VPort P06-1MP-M12-CAM36-CT	3.6 mm	Line-in	-25 to 55°C	P
VPort P06-1MP-M12-CAM42-CT	4.2 mm	Line-in	-25 to 55°C	P
VPort P06-1MP-M12-CAM60-CT	6.0 mm	Line-in	-25 to 55°C	P
VPort P06-1MP-M12-CAM80-CT	8.0 mm	Line-in	-25 to 55°C	P
VPort P06-1MP-M12-CAM28-CT-T	2.8 mm	Line-in	-40 to 70°C	P
VPort P06-1MP-M12-CAM36-CT-T	3.6 mm	Line-in	-40 to 70°C	P
VPort P06-1MP-M12-CAM42-CT-T	4.2 mm	Line-in	-40 to 70°C	P
VPort P06-1MP-M12-CAM60-CT-T	6.0 mm	Line-in	-40 to 70°C	P
VPort P06-1MP-M12-CAM80-CT-T	8.0 mm	Line-in	-40 to 70°C	P
VPort P06-1MP-M12-MIC-CAM28-CT	2.8 mm	Microphone	-25 to 55°C	P
VPort P06-1MP-M12-MIC-CAM36-CT	3.6 mm	Microphone	-25 to 55°C	P
VPort P06-1MP-M12-MIC-CAM42-CT	4.2 mm	Microphone	-25 to 55°C	P
VPort P06-1MP-M12-MIC-CAM60-CT	6.0 mm	Microphone	-25 to 55°C	P
VPort P06-1MP-M12-MIC-CAM80-CT	8.0 mm	Microphone	-25 to 55°C	P
VPort P06-1MP-M12-MIC-CAM28-CT-T	2.8 mm	Microphone	-40 to 70°C	P
VPort P06-1MP-M12-MIC-CAM36-CT-T	3.6 mm	Microphone	-40 to 70°C	P
VPort P06-1MP-M12-MIC-CAM42-CT-T	4.2 mm	Microphone	-40 to 70°C	P
VPort P06-1MP-M12-MIC-CAM60-CT-T	6.0 mm	Microphone	-40 to 70°C	P
VPort P06-1MP-M12-MIC-CAM80-CT-T	8.0 mm	Microphone	-40 to 70°C	P

配件 (選購)

Camera Mounting Kits

VP-SCO1	Side-cable-out adaptor for mounting the VPort P06-1MP-M12
VP-FP1	Fixed plate for mounting the VPort P06-1MP-M12
VP-06TC1	Top cover for the VPort 06-1MP-M12

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