



Point Vision PV6AXPTZ PTZ Network Camera

This platform offers 1080P, 32X optical zoom, and fast and precise pan/tilt for wide area coverage and detailed surveillance at great distances.

- Modular & Portable
- Web-based User Interface
- Integrated Climate Control
- Intel PC w/Windows 10
- Cellular/WiFi/Wireless
- 802.3 AT Internal/External POE Power Ports
- 12VDC, 24 VDC, 56 VDC Available to Power Accessories
- SNMP Communications

The Point Vision (PV) product line is the world's smartest IoT Video Surveillance Platform. The PV video cameras are internally networked with a cellular router and Windows based PC that capture, store, analyze video and stream (locally) at the edge. Each device is configured with two onboard computers, POE switch, router with embedded 4G LTE modem, Wi-Fi, wireless, and PTZ or fixed cameras. Video can be stored and streamed anywhere there is a cellular and/or hard-wire Ethernet connection. Proprietary Web-based GUI connects the user remotely to each device for configuration and power management.



PV6AXPTZ DATASHEET

Environmental Specifications

Operating Temperature	-40 - 140°C
Weather Resistance	IP66

Input Power

Input Voltage Range	100-240 VAC
Input AC Frequency	50/60 Hz
Max Power Consumption	7.5A at 120V (900 Watts)
Typical Power Consumption	1.3A at 120V (177 Watts)

Physical Specifications

Weight	12.4Kg (27.3 lbs)
Dimensions (H x W x D)	508 x 340 x 458 (20" x 13.375" x 18")

Network Specifications

Ethernet Switch	4 Port 10/100Mb
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Climate Control

Peltier Based Cooling System	
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Included Devices

Included Devices	Model Number
Intel NUC	NUC6i5SYK
Axis PTZ Camera	Q6055
Cradlepoint Cellular Router	IBR600
Ubiquity 5 Port ToughSwitch	TS-POE-5

Intel NUC

Model	NUC6i5SYK
Processor	i5-6260U
Processor Cores	2
Processor Speed	1.8GHz turbo boost to 2.9GHz
Memory	up to 32GB DDR4
Storage	up to 2TB M.2 SSD, or 2.5" Hard Drive
Graphics	Intel Iris Graphics 540
Operating System	Windows 10 IOT

Axis Camera

Model	Q6055
Image Sensor	1/2.8" progressive scan CMOS
Number of effective pixels	2 Megapixel
Minimum Illumination	Color: 0.3 lux at 30 IRE F1.6 B/W: 0.03 lux at 30 IRE F1.6 Color: 0.5 lux at 50 IRE F1.6 B/W: 0.04 lux at 50 IRE F1.6
Electronic Shutter Speed	1/33000 s to 1/3 s with 50 Hz 1/33000 s to 1/4 s with 60 Hz
Lens Type	4.44-142.6 mm, F1.6-4.41 Horizontal field of view: 62.8°-2.23° Vertical field of view: 36.8°-1.3° Autofocus, auto-iris
Zoom Ratio	32x optical zoom, 12x digital zoom
ONVIF Compliance	ONVIF® Profile S and ONVIF® Profile G
Max Resolution	1920x1080
Max Framerate	Up to 50/60 fps (50/60 Hz) in HDTV 720p Up to 25/30 fps (50/60 Hz) in HDTV 1080p

Cradlepoint Router

Model	IBR600
Cellular	Integrated 3G/4G Modem
Ethernet	2 LAN/WAN Ports
WiFi	Wireless 2x2 MIMO "N" (802.11 b/g/n)
WiFi Security	WEP, WPA, WPA2, WPA2 Enterprise with AES encryption
Security	Zone-based Firewall, SPI, and NAT
VPN	IPsec VPN (up to 5 concurrent sessions)

Ubiquity ToughSwitch

Model	TS-POE-5
LAN Ports	5 10/100/1000Mb Ports (2 Free with all Internal devices hooked up)
Management Port	1 10/100Mb Port
POE	Configurable 24V Passive POE on LAN Ports