



Point Vision PV8FLAXB Combination of Thermal and Fixed Bullet Network Cameras

This platform is ideal for perimeter intrusion protection in all lighting conditions, including darkness, rain, light fog and smoke. Having a thermal camera, combined with a fixed bullet camera with built-in IR to provide automatic illumination of a scene in complete darkness, and offer the user the highest level of intrusion detection.

- 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.



PV8FLAXB 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 Fixed Bullet Camera	P1405-LE Mk II
FLIR Thermal Camera	FB-393-O
Cradlepoint Cellular Router	IBR600
Ubiquity 5 Port ToughSwitch	TS-POE-5

FLIR Camera

Model	FB-393-O
Detector Type	Long-Life, Uncooled VOx Microbolometer
Number of effective pixels	76,800
Lens Type	3.7mm 93°
ONVIF Compliance	ONVIF® Profile S
Max Resolution	320 x 240
Max Framerate	30 fps

Axis Camera

Model	P1405-LE Mk II
Image Sensor	Progressive scan CMOS 1/2.8"
Number of effective pixels	2 Megapixel
Minimum Illumination	Color: 0.18 lux at F1.6 B/W: 0.04 lux at F1.6 0 lux with IR illumination on
Electronic Shutter Speed	1/66500 s to 1 s
Lens Type	2.8-10 mm, F1.6 Horizontal field of view 93° -32° Vertical field of view 51° -18° Varifocal, Autofocus, Remote focus and zoom, P-Iris control, IR corrected
ONVIF Compliance	ONVIF® Profile S and ONVIF® Profile G
Max Resolution	1920x1080
Max Framerate	Up to 25/30 fps (50/60 Hz) in all resolutions

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

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