

PTZFusion Lite –13

Pan-Tilt Platform

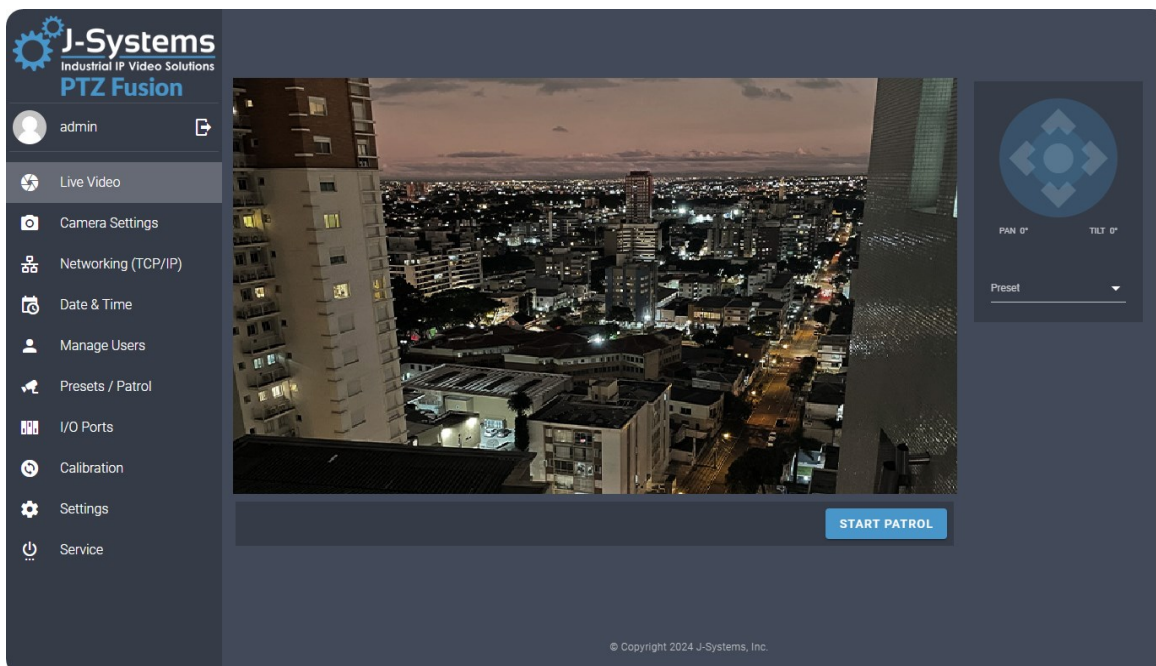
J-Systems PTZFusion Lite - 13 is a unique ONVIF Profile S conformant Pan-Tilt Platform. When integrated with a fixed ONVIF Profile S conformant camera, a single ONVIF Profile S conformant Pan Tilt camera system is created. The system now appears as a single device to your VMS platform.

This blend between a fixed camera and a rugged Pan-Tilt positioner allows standard, as well as specialty cameras (Thermal, SWIR, LWIR and Starlight) to achieve full pan and tilt capabilities through the VMS. This advanced solution is IP based, PoE+ powered, does not require any software, serial converters, or a dedicated computer.

The PTZFusion Lite - 13 operates from –30 to +60C, is designed for rugged environments and can be controlled from any web browser. Variable speed motion control is offered via a built-in virtual joystick. Live video from an attached camera is displayed in a unified interface for easy setup and operation. The PTZFusion platform is completely transparent to the VMS software. The only device visible and discoverable will be the camera, which now features native pan and tilt capabilities through the VMS software.

(PTZFusion Lite - 13) + (ONVIF Profile S Fixed Camera) = ONVIF Profile S Conformant PT solution

- ONVIF Profile S Conformant
- Entirely IP Based, PoE + Powered
- Rugged Operation –22 to +140F (-30 to +60C)
- Camera Brand and Model Independent
- Works with VMS Systems
- Designed, Built and Supported in USA



Mechanical

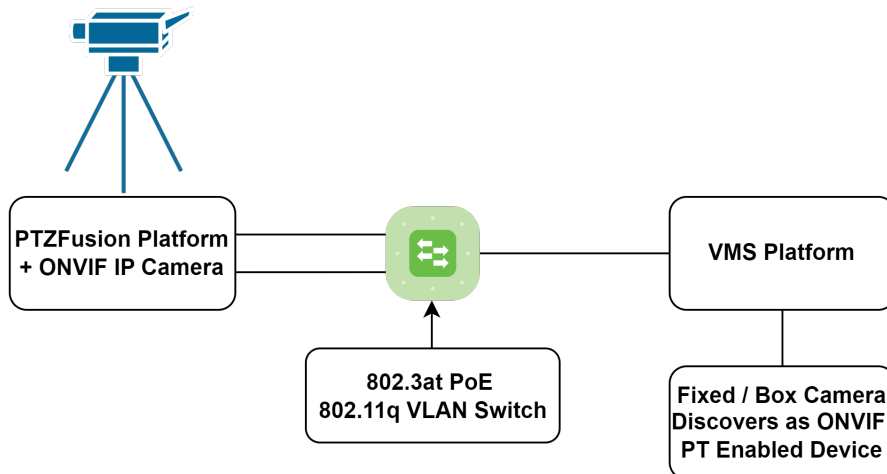
Drive Unit	DC Brush Motors
Gear Train	All Metal Involute Spur Gears
Pan Range	0-355°
Position Feed Back	12 Bit Absolute PWM Encoders
Startup Calibration	Not Required
Tilt Range	-30° to +90°
Variable Pan Speed	0 to 28 °Deg/Sec
Variable Tilt Speed	0-10 Deg/Sec
Accuracy	+/- 0.1°
Ingress Protection	IP67
Operating Temperature	-30 to +60C
Capacity	Up to 13 lbs Balanced Load
Paint	Powder Coat Marine White
Height	6.5 Inch
Width	6.2 Inch
Weight	5.7 Lbs
Maintenance	None Required

System

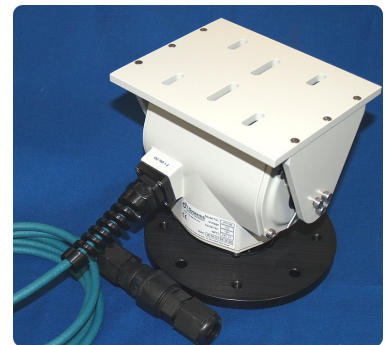
Warranty	1 Year
API	REST API
Device Finder	Windows
Firmware Update	Web Based

PTZFusion - ONVIF Profile S Conformant

Processor	Arm Cortex-A5
OS	Embedded Linux
Network Protocols	IPv4, IPv6, ICMP V4, ICMP v6, HTTP, HTTPS, TLS, mDNS, (Bonjour), DNS/DNSv6, NTP, RTSP, Web RTC TCP, UDP, NTP, DHCPv4, IPV6 SLACC / RA, 802.11q
Security	Signed Firmware, Secure Boot
Video Codec Support	H.264 Baseline Profile
Web UI	Modern Interface with Virtual Joystick
Browser Support	Chrome, Firefox, and Edge
Power	IEEE 802.3at (PoE+)
Position Control	Virtual Joystick / Variable Speed
Position Feedback	Live Pan and Tilt Feedback displayed in Degrees
Zoom Function	Supported in Box Cameras That Feature a Built in Power Zoom Lens
USB Joystick	If Supported in VMS
Presets and Patrols	User Defined
NTP Server	Delivers Accurate Time to Connected Camera
Camera Management	Camera's Native Web UI is Accessible
Pelco-D	RS485 Support for Legacy Joystick
VLAN	802.11q VLAN Switch Required
Travel Limits	User Defined



Example Network Diagram



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