

Mobile Rugged Dual sensor PTZ camera

Key Features

- Dual sensor optical and thermal integrated ONVIF IP PTZ system
- 1920x1080 progressive scan CMOS day/night network Camera
- 39x Optical 8-315mm HD IR-corrected continuous zoom lens
- Optical field of view from 39° to 1°
- User defined WDR,HLC,BLC,AWB,Dehaze/Defog via web client
- 640x480 or 320x240 Gen II 17 μ m VOx uncooled thermal imager
- 26mm-75mm f1.0 continuous zoom motorized germanium lens
- Up to 2.4Km human detection and 7.3Km vehicle detection with thermal
- Extreme heater/blower for operation in -45°C to 60°C
- Optically pure flat viewing window
- Intergrated mechanical infrared cut filter for absolute clarity
- Micro-step technology for quick,accurate pan/tilt better than 0.1°
- Rugged IP66 military grade design with secure military cable connectors
- Military Connector supplies video,power and telemetry over 1 cable
- Designed for fixed,marine and mobile applications



Technical parameters

Optical Camera Assembly	39X 1080P IP	30X 1080P IP
Image Sensor	1/2.8"Exmor Progressive Scan CMOS	1/3"Progressive Scan CMOS
Resolution	1920x1080 Full HD	
Frame Rate	30fps	
Minimum Illumination	Color:0.05 Lux/ B&W:0.0008 Lux	Color:0.05 Lux / B&W:0.005Lux
Shutter Speed	Auto:1/50-1/10000 Sec	
Lens	8-315mm HD Continuous Zoom Lens	4.3-129.5mm IR-Corrected Continuous Zoom Lens
Field of View	37°-1° Horizontal FOV	58°-2.2° Horizontal FOV
Zoom	39x Optical,16x Digital,624X Total	30X Optical,16X Digital,480X Total
Auto-Focus	Yes	

Thermal Camera Assembly	320x240 Imager	640x480 Imager
Image sensor	Uncooled Vanadium Oxide Microbolometer,9Hz or 30Hz	
Picture Elements	320x240 pixels	640x480 pixels
Scene Temperature	-40℃ to +160℃(High and Low Gain)	
Pixel Pitch	17μm(32% sharper image over 25μm sensors)	
Lens	26mm-75mm motorized germanium zoom lens(35mm,50mm,&100mm fixed lens options available)	
Field of View	23.6°-8.4°Horizontal FOV	11.8°-4.2°Horizontal FOV
Image Optimizations	DICE,BPR,NUC,&AGC'd user configurability via SDK,GUI	
Digital Zoom	2x&4x dynamic zoom/pan with range switching	8x dynamic zoom/pan with range switching
Spectral Range	7000-14000nm	
Thermal Sensitivity	50mK	
Image Display Modes	White Hot,other color palettes available upon request	
Communication&presets		
Presets	Up to 128 presets,4 preset tours	
Home Position	Yes(preset1 or tour)	
Serial Control	RS485/RS422(optical),Pelca-P/D Standard	
Ethernet	ONVIF profile -s(other available)	
Mechanical		
Drive Unit	Integrated micro-step resolver	
Pan/Tilt	360°Continuous Pan up to 40°/sec 40°Tilt up to 30°/sec	
Preset Accuracy	0.01°(Micro-Step)with closed loop control	
Proportional P/T to Zoom Position	Yes(Automatic adjust speed with zoom for accurate pan-tilt)	
Physical		
Construction	High Strength Aluminum Alloy(salt spray PH 6.5-7.2)	
Standard Colors	White(black optional)	
Weight	-7.5kg(DOC)	
Viewing Window	Flat Glass(visible camera)&Germanium(thermal Camera),optional bullet proof	
Environmental		
Operational Temperature	-40℃ to +60℃	
Envieronmental	IP 66,NEMA 4X Outdoor Weather Ring,Viewing Window Wiper on 30X version	
Electrical		
Input Voltage	24VAC or 24VDC(optional)(CE,ROHS,FCC)	
Power Consumption	Max 80W(heater on),40W(without heater)	