



MULTI-SPECTRAL INTRUSION SOLUTION

FLIR SAROS[™] DH-390 DOME camera

The FLIR Saros™ DH-390 Dome combines multiple traditional perimeter protection technologies into a unified solution that delivers accurate, actionable alerts and verified alarm data. The Saros DH-390 Dome includes dual FLIR Lepton® thermal sensors, a 1080p camera, IR and visible LED illuminators, advanced onboard analytics, audio talk-down, and digital I/Os. It enables businesses to implement reliable, state-of-the-art outdoor intrusion detection in a cost-effective manner by minimizing the equipment required and reducing false alarms. Easy to install, the Saros DH-390 Dome is ideal for such locations as construction sites, auto dealerships, schools, and critical infrastructure.

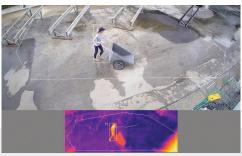
www.flir.com/saros



SINGLE-UNIT SOLUTION

Multiple technologies in one device reduce operation costs.

- Dual FLIR Lepton® thermal sensors
- High definition optical camera
- IR and visible LED illuminators
- · Advanced onboard analytics
- Audio talk-down, digital input/outputs



THERMAL DETECTION WITH ANALYTICS

Thermal sensors see at night, enabling analytics to reduce false alarms.

- Wide-area monitoring through sun glare, smoke, rain, dust, and light fog
- Analytics classify humans and vehicles, improving alarm accuracy
- Actionable alerts enable security professionals to respond more effectively



DESIGNED FOR CYBERSECURITY

The FLIR DH-390 Saros Dome is engineered to reduce exposure to remote security attacks.

- End-to-end encryption for setup, web, and video streams
- Eliminates the need for port-forwarding
- Configuration lockdown after initial setup for increased tamper prevention

SPECIFICATIONS

| Thermal Sensor & Optic | s |
|--------------------------------------|---|
| Array Format (NTSC) | 320 x 120 native, 960 x 360 VividIR |
| Detector Type | Uncooled Sun-safe VOx Microbolometer |
| Pixel Pitch | 12 µm |
| Thermal Frame Rate | 10FPS |
| Optical Characteristics | 2 X Lepton 3.5 HFOV 57° each Min. Stitched HFOV 90° f/1.1 |
| Thermal sensitivity | <50mK |
| E-Zoom | No ezoom |
| Spectral Range | 7.5 µm to 13.5 µm |
| Focus Range | Athermalized, Focus-Free |
| Video | |
| Video Compression | Dual stream H.264, MJPEG |
| Thermal Image Settings | Auto AGC, Brightness, Contrast |
| Thermal AGC Region of Interest (ROI) | Default, Presets and User definable to ensure optimal image quality on subjects of interest |
| Image Uniformity Optimization | Automatic Flat Field Correction (FFC) - Thermal and Temporal Triggers |
| Video Fusion | Patented MSX technology Unified stream |
| Wide Dynamic Range (WDR) | Yes |
| | • |

Analytics

Person and vehicle object classification

Cross-line detection

Object in region

Rule dependency/multi-rule trigger

Event notification via relay out, white light LED activation, ONVIF

System Integration

| Ethernet | Yes |
|-------------------|--|
| Network APIs | FLIR SDK, FLIR CGI, ONVIF Profile S |
| WiFi | Enabled with ability to turn off |
| Digital I/O | Virtual I/O for connected VMS actions |
| Audio I/O | Bi-Directional Audio - connection - Terminal block |
| GPI0 | One input dry alarm contacts; One output relay contact 1A max at 24 VAC / 30 VDC |
| Audio Compression | G711, AAC |
| Storage | Planned for future release |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, UDP/TCP |

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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www.flir.com NASDAQ: FLIR

| General | |
|-------------------|---|
| Input Voltage | PoE (802.3af, Type 1, Class 3) 12 VDC (10-14 VDC) 24 VDC (21-30 VDC) 24 VAC (21-30 VAC) |
| Power Consumption | 12/24 VDC input: 4.2W consumption |
| Day / Night Mode | Automatic with 940nm NIR LEDs for very low light scenes. White light LEDs automatic on event for color detail. |
| Environmental | |

| | White light LEDs automatic on event for color detail. |
|----------------------------------|---|
| Environmental | |
| IP Rating (Dust & Water Ingress) | IP66 |
| Operating Temperature Range | -40 to +60°C without LEDs enabled, 40°C max with LEDs |
| Weight | 3.75lbs / 1700g |
| Dimensions | Base: 6.13" / 156mm Protrusion: 6.74" / 171mm (with sunshield) |
| Humidity | MIL-STD-810; 0-95% relative |
| Shock | IEC 60068-2-27 |
| Vibe | IEC 60068-2-64 & MIL-STD-810F, NEMA TS 2-2003 v02.06 |
| Salt Fog | MIL-STD-810F |
| | |

Compliance & Certifications

FCC Part 15 (Subpart B, class A)

CE Marked

RoHS

IP66

WEEE

ONVIF Profile S

EN62368-1: 2014

| Visible Light Camera | |
|--------------------------|------------------------------------|
| Sensor Resolution | 1920 x 1080, 2.1MP, 1/2.8 @30 fps |
| Lens Type | 3mm / F1.6, P-Iris with auto-focus |
| Frame Rate | 30FPS |
| White Balance | Automatic |
| Wide Dynamic Range (HDR) | 120dB |

Cyber Security

802.1x TLS/HTTPS User authentication Access control via firewall User credentials with policy enforcement Digest authentication

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The World's Sixth Sense®