

OWL- Thermovision

SP03E20

Owl-Thermovision is a high speed PTZ camera – an excellent system for perimeter security applications for airports, hospitals, prisons etc equipped with both thermal and day camera.



Built In Analytics

- Line Crossing
- Object Removal
- Enter and Leave Field, Follow Route
- Counting, Condition Change and Geo-Location Masking
- 2-D/3-D People tracking
- Simultaneous multiple Analytics

Thermal Module

- 640 x 480
- Un-Cooled a-Si microbolometer
- 8 – 14 μm spectral band
- 17 x 17 μm pixel pitch
- 9 hz framerate

Day Module

- 1 /2.8" CMOS Progressive Scan
- 1945 x 1097 , 2.13 MP
- 30x Optical Zoom
- 130Db WDR
- 4.3mm to 129mm zoom lens

Salient Features

- High Speed Pan/Tilt
- Video Analytics support for both Day/Thermal Module
- 32 privacy mask regions
- 256 preset points
- Low false alarm rates
- ONVIF Compliant
- MIL-810 G



Picture taken from Owl in dark

Specifications mentioned in the document may change without prior notice, please contact sales for latest specification

SPECIFICATION

Thermal Module			
Sensor Type	<i>Uncooled Amorphous Silicon Microbolometer</i>	Framerate	9 Hz
Sensor Format	640 x 480	Lens	50mm A thermalized
Pixel Pitch	17µm x 17 µm	FOV	12.4° x 9.3°
Spectral Response	8 to 14 µm	Digital Zoom	4x, 8x, 16x
Thermal Sensitivity (NETD)	50mK (@ 25C, F#1.0)	DRI - Human	982m/400m/200m
MRTD	0.17K @ 0.6 cycles/ mRad		
Day Module			
Sensor	<i>1/2.8-type Progressive Scan CMOS</i>	Shutter Speed	1/25 to 1/15000 sec
Sensor Format	<i>Effective Pixel 1945X1097 (2.13 MP)</i>	Day/Night	IR Cut Filter for day/night
Min Illumination	<i>Color 0.0077 lx B/W 0.0008 lx</i>	Fog Penetration	On/Off
Noise Reduction	3D DNR	Back Light Compensation	On/Off
Wide Dynamic Range	130 DB	Auto-White Balance	On/Off
Lens	4.3mm to 139mm	Frame-rate	25/30/60 fps
Optical Zoom	30x	Video Compression	Mainstream H.264/MJPEG
Digital Zoom	12x	Audio Compression	
FOV	63.7° to 2.3°	DRI - Human	~ 2000m
PAN/TILT			
Pan / Preset Speed	<i>0° to 150° /s, User configurable presets</i>	Video Streaming	1080p at 60 fps for stream 1 capability
Tilt / Preset Speed	<i>0.01° ~ 40°/s</i>	Audio Streaming	Full Duplex,
Pan / Tilt Angle	<i>0 to 360° continuous, 290° upright</i>		
Pan / Tilt Manual Speed	<i>1 to 120°/s, 0.01 to 40°/s</i>	Storage	Onboard 64 Gb
Tilt Range	<i>-60° to +90°</i>	Enclosure	IP 68
General			
Network connectivity	<i>Ethernet</i>	Operating Temperature	-50°c to +65° c
Protocols	<i>IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2A/3, ICMP, ICMPv6, RTSP, FTP, Telnet, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), 802.1x, DNS, DNSv6, DDNS (Dyn.com, selfHOST.de, noip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox, CHAP, digest authentication</i>	Storage Temperature	-60°c to +85° c
Communication Interface	<i>DONS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, PPPoE, ONVIF 1 RJ 45 Connector 10Base-T/100Base-TX Ethernet Port</i>	Humidity	0 to 100%
Adjustments	<i>Black Hot/White Hot</i>	Power Supply	24VDC / 220V AC
Power Consumption	75 W	Analytics	
Material	<i>Aluminium with heater blower defroster</i>	Video Analytics	<i>Line Crossing, Object removal, Counting, Condition change, location masking, Enter and leave field, Follow route, 8 types of analytics simultaneously</i>
Wind load and IP Rating	<i>290 kph wind/IP68/IK 10</i>	Privacy Mask	32 region masking
Weight	20kg max	Tracking	2D/3D people tracking, ship tracking
		Intelligent Tracking Speed	45°/s to 120°/s

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