



High Temperature Thermal Turret

Intellio Thermal & Optical Bispectral Network Turret Camera



THERMAL CAMERA MODULE

Resolution	256 × 192
Focal Length	3.6 mm
Field of View	50.0° × 37.3° (H × V)
Min. Focusing Distance	0.5 m
Spectral Range	8 - 14 μm
Pixel Pitch	12 μm
Temperature Range	-20°C - 550°C (-4°F - 1022°F)
Temperature Accuracy	Max. ± 2°C, ± 2%
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Streaming (Primary & Secondary)	25 fps (1280 × 720, 704 × 576, 640 × 512, 320 × 240) 25 fps (704 × 576, 640 × 512, 320 × 240)

OPTICAL CAMERA MODULE

Resolution	2688 × 1520
Focal Length	4.3 mm
Field of View	84.0° × 43.1° (H × V)
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.0089 Lux (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter speed	1 s - 1/100,000 s
Day & Night	Yes
WDR	120dB
Streaming (Primary & Secondary)	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) & (704 × 576, 352 × 288) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) & (704 × 480, 352 × 240)
IR Distance	Up to 15 m

SMART FUNCTION

VCA	Up to 8 VCA rules in total, 4 VCA rule types (line crossing, intrusion, region entrance and region exiting)
Temperature Measurement	21 rules in total (10 points, 10 areas and 1 line)
Smart Function Range	VCA Range (Vehicle: 1.4 × 4.0 m): 75.6 m VCA Range (Human: 1.8 × 0.5 m): 28.4 m Temperature Measurement (Object: 0.2 × 0.2 m): 11.7 m Temperature Measurement (Object: 1 × 1 m): 58.3 m Fire Detection (Object: 0.2 × 0.2 m): 43.2 m Smoke Detection (Object: 0.5 × 0.5 m): 21.5 m
Audible and Visual Alarm	White Light Range: up to 30 m, with adjustable flashing frequencies Two types of audible alarm (VCA and Temperature Exception)

COMPRESSION

Video Compression	H.265 / H.264 / MJPEG (only on Secondary stream)
Video Bit Rate	256 kbps - 16 Mbps
Audio Compression	G.711ulaw / G.711alaw / G.722.1 / G.726 / MP2L2 / PCM

INTERFACE

Communication Interface	1x RJ45 10M/100M Ethernet port
IO port	Audio I/O; Alarm I/O (1/1)
On-board storage	Built-in microSD slot, up to 256 GB

NETWORK

Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, TP, Bonjour, SFTP, SRTP, SSL
Client	Intellio Video System 5

GENERAL

Operating Conditions	Temperature: -40°C - 65°C (-40°F - 149°F), Humidity: 95% or less
Power Supply / Consumption	12 VDC \pm 25%: 0.5 A, Max. 6 W PoE (802.3af, class 3): 42.5 - 57 V, 0.14 - 0.22 A, Max. 6.5 W
Protection Level	IP66
Weight	940 g

DIMENSIONS

