



#### THERMAL CAMERA MODULE

Resolution	384 × 288
Focal Length	9.7 mm
Field of View	37.5° × 28.5° (H × V)
Min. Focusing Distance	1 m
Spectral Range	8 - 14 μm
Pixel Pitch	17 μm
Temperature Range	-20°C - 150°C (-4°F - 302°F)
Temperature Accuracy	± 8°C (± 14.4°F)
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Streaming (Primary & Secondary)	25 fps (1280 × 720, 704 × 576, 352 × 288, 384 × 288) 25 fps (704 × 576, 352 × 288, 384 × 288)

#### OPTICAL CAMERA MODULE

Resolution	2688 × 1520
Focal Length	4 mm
Field of View	84° × 44.8° (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 30 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): 210 m VCA Range (Human: 1.8 × 0.5 m): 70 m Temperature Measurement (Object: 0.2 × 0.2 m): 23 m Temperature Measurement (Object: 1 × 1 m): 114 m Fire Detection (Object: 0.2 × 0.2 m): 97 m

#### 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 (2/2)
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	24 VAC ± 25%: 0.8 - 0.5 A, Max. 9.5 W 12 VDC ± 25%: 0.63 - 1.06 A, Max. 9 W 24 VDC: 0.4 A, Max. 9.5 W PoE (802.3af, class 3): 36 - 57 V, 0.28 - 0.17 A, Max. 10 W
Protection Level	IP67, IK10
Weight	1.82 kg

DIMENSIONS

