

## SG-TCM06N2-M25225(30150/20100/2575)

- 640x512 Thermal Network Camera Module with Motorized Lens



### 1. Features

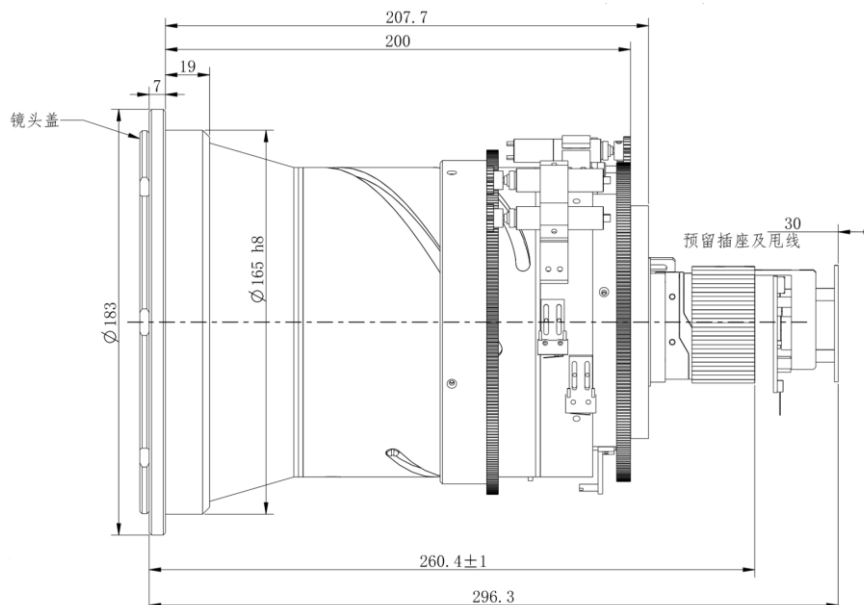
- > 640x512 Resolution, high sensitivity sensor
- > 12um Pixel pitch.
- > 25~225mm (30~150mm, 20~100mm, 25~75mm Optional) Motorized Thermal Lens
- > Support fast Auto Focus
- > Support various IVS functions
- > Support Fire Detection
- > Modular design, better to do function extension

### 2. Specification

Model		SG-TCM06N2-M25225	SG-TCM06N2-M30150	SG-TCM06N2-M20100	SG-TCM06N2-M2575
Sensor	Image Sensor	Uncooled VOx microbolometer			
	Resolution	640 x 512			
	Pixel Size	12μm			
	Spectral Range	8~14μm			
	NETD	≤40mK@25°C, F#1.0			
Lens	Focal Length	25~225mm motorized Lens	30~150mm motorized Lens	20~100mm motorized Lens	25~75mm motorized Lens
	Optical Zoom	9x	5x	5x	3x
	Digital Zoom	8x	8x	8x	8x
	F Value	F1.0~F1.5	F0.9~F1.2	F0.8~F1.1	F1.0~F1.2
	FOV	17.5°x14°~2°x1.6°	14.6°x11.7°~2.9°x2.3°	21.7°x17.5°~4.4°x3.5°	17.5°x14°~5.9°x4.7°

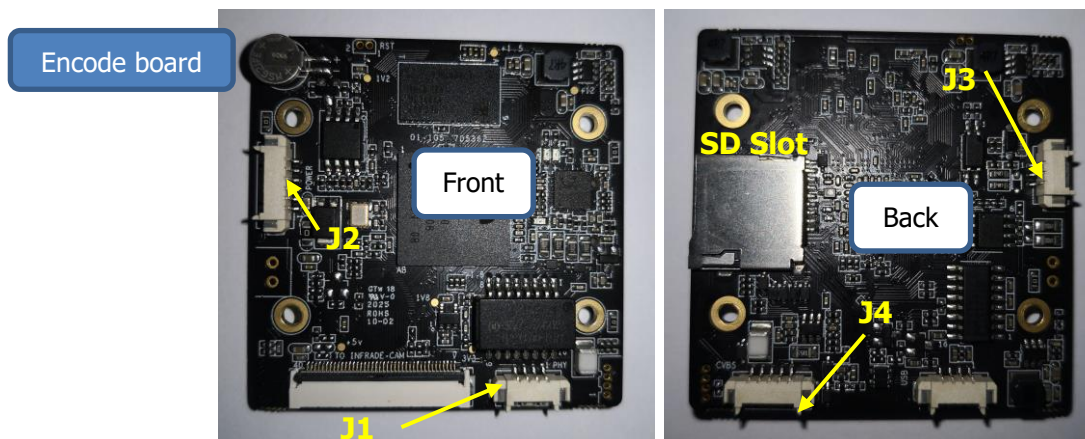
Video	Compression	H.265/H.264/H.264H		
	Snapshot	JPEG		
	Pseudo color	Support: White Hot, Black Hot, Iron Red, Rainbow 1, Fulgurite, Rainbow 2, Fusion, Bluish Red, Amber, Arctic, Tint		
	Streams	Main Stream: 25fps@(704x576), 25fps@(352x288) Sub Stream: 25fps@(704x576), 25fps@(352x288)		
Network	Network Protocol	IPv4/IPv6, HTTP, HTTPS, Qos, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, DHCP, PPPoE, 802.1X, IP Filter		
	Interoperability	ONVIF Profile S, Open API, SDK		
	Max. Connection	20		
Intelligence	Normal Event	Motion Detection, Audio detection, IP address conflict, Illegal Access, Storage anomaly		
	IVS functions	Support intelligent functions: <b>Tripwire, Cross Fence Detection, Intrusion, Loitering Detection.</b>		
	Fire Detection	Support		
Interface	Ethernet	4PIN Ethernet port, 10M/100M self-adaption		
	Alarm In/Out	1/1		
	RS485	Support		
Resolution	50Hz: 25fps@(704x576)			
Storage Capabilities	Micro SD card, up to 256G			
Power Supply	DC 9~12V (Recommend: 12V)			
Operating Conditions	-20°C~+60°C/20% to 80%RH			
Storage Conditions	-40°C~+65°C/20% to 95%RH			
Dimensions(L*W*H)	Approx. 318mm*200mm* 200mm	Approx. 289mm*183mm* 183mm	Approx. 224mm*152mm* 152mm	Approx. 194mm*115mm* 115mm
Weight	Approx. 3.75kg	Approx. 3.6kg	Approx. 2.1kg	Approx. 1.6kg

### 3. Dimension



30~150mm thermal module for example

#### 4. Interface Definition:



Type	PIN Number	PIN Name	Description
(1) 4PIN Internet Interface (J1)	1	ETHRX-	Adaptive Ethernet port, Internet RX-
	2	ETHRX+	Adaptive Ethernet port, Internet RX+
	3	ETHTX-	Adaptive Ethernet port, Internet TX-
	4	ETHTX+	Adaptive Ethernet port, Internet TX+
(2) 6PIN Power & UART Interface (J2)	1	DC_IN	DC12V±10%
	2	GND	GND
	3	485+	RS485+, Pelco Protocol
	4	485-	RS485-, Pelco Protocol
	5	RXD0	TTL 3.3V, Visca Protocol
	6	TXD0	TTL 3.3V, Visca Protocol
(3) 4PIN Alarm (J3)	1	Alarm_IN	Alarm In
	2	Alarm_OUT	Alarm Out
	3	Alarm_OUT_TC	Alarm Out
	4	NULL	NULL
(4) 5PIN Audio & Video Interface (J4)	1	AUDIO_OUT	Audio Out (Line Out)
	2	GND	GND
	3	AUDIO_IN	Audio In (Line In)
	4	GND	GND
	5	VIDEO_OUT	Video Out (CVBS)

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\*Design and specifications are subject to change without prior notification.

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