



WARNING
High Temperature



*Pictures shown are for illustration purpose only.

GV-TMEB5800

Thermal & Optical Eyeball Dome Camera



Face
Detection



AI Perimeter
Protection



People
Counting



Fire
Detection



Temperature
Exception Alarm

Suitable Areas



Wildfire



Waste Collection Points



Factory



Warehouse

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Datasheet

Camera - Thermal		
Image Sensor	Vanadium oxide uncooled focal plane detector	
Picture Elements	256 (H) x 192 (V)	
Pixel Size	12 um	
Thermal Sensitivity	≤ 50 mK (@25°C, F#=1.0)	
Spectral Range	8 ~ 14 um	
Gain Control	Auto, Manual	
Focal Length	3.2 mm	
Maximum Aperture	F/1.1	
Horizontal FOV	56°	
Min. Focusing Distance	0.5 m (1.5 ft)	
Color Palettes	Black hot, White hot, Iron Oxide Red, Rain Bow, Lava	
Camera - Optical		
Image Sensor	1/2.7" progressive scan CMOS	
Picture Elements	2592 (H) x 1944 (V)	
Minimum Illumination	Color	0.02 Lux (F1.6, AGC ON)
	IR On	0 Lux
Shutter Speed	Auto / Manual (1/3 ~ 1/100000 sec)	
White Balance	Auto / Manual	
Gain control	Auto / Manual	
S/N Ratio	50 dB	
WDR	WDR Pro	
Dynamic Range	Up to 120 dB	
Megapixel	5MP	
Day / Night	Yes (with removable IR-cut filter)	
Lens Type	Fixed	
Focal Length	4 mm	
Maximum Aperture	F/1.6	
Mount	M12	
Horizontal FOV	81°	
Operation	Focus	Fixed
	Zoom	
	Iris	
IR LED Quantity	2 IR LEDs	
Max. IR Distance	30 m (100 ft)	
Observation Range		
Detection	Human(1.8 x 0.5 m)	80 m (260 ft)
	Car(1.4 x 4.0 m)	230 m (750 ft)
Recognition	Human(1.8 x 0.5 m)	25 m (80 ft)
	Car(1.4 x 4.0 m)	55 m (180 ft)
Identification	Human(1.8 x 0.5 m)	10 m (30 ft)
	Car(1.4 x 4.0 m)	30 m (95 ft)
Deep Learning Function		
AI Perimeter Protection	Thermal	Fire Detection, Temperature Exception Alarm, Line Crossing, Region Intrusion
	Optical	Region Intrusion, Line Crossing, Region Entrance, Region Exiting, Target Counting, (Human & Vehicle classification), Face Detection, Face Capture Video Exception Detection (Scene Change, Video Blue, Video Cast Detection)

- Note:**
1. Specifications are subject to change without notice.
 2. Detailed datasheet available online



Europe Vision Systems s.r.o.
 Drtinova 557/8 Prague 5, 15000 Czech Republic
 Tel. +420-222-224-309
 Web. www.geovision.com.tw
 Email. sales@geovision.eu

