

VGA Gen 7 Thermal Sensors					
	T050	T080	T100	T150	T280
<b>Resolution</b>	640 x 480	640 x 480	640 x 480	640 x 480	640 x 480
<b>Focal Length</b>	5mm	8mm	10mm	15mm	15mm
<b>Image angle (H x V)</b>	90° x 69°	69° x 56°	45° x 37°	30° x 26°	18° x 14°
<b>Image width/height (1m)</b>	2.0 / 1.4 m	1.8 / 1.1 m	0.8 / 0.7 m	0.6 / 0.5 m	0.3 / 0.3 m
<b>Image width/height (10m)</b>	20 / 13.8 m	13.8 / 10.6 m	8.3 / 6.7 m	5.7 / 4.6 m	3.2 / 2.5 m
<b>Image width/height (50m)</b>	100 / 68.7 m	68.7 / 53.2 m	41.4 / 33.5 m	28.7 / 23.1 m	15.8 / 12.3 m

**Recognition Criteria based on Johnson Criteria**

Recognition Criteria based on Johnson Criteria					
<b>Person</b>					
Detection	175 m	225 m	360 m	520 m	
Recognition	45 m	60 m	90 m	135 m	
Identification	20 m	25 m	40 m	60 m	
<b>Vehicle</b>					
Detection	480 m	700 m	1160 m	1800 m	
Recognition	130 m	185 m	310 m	480 m	
Identification	64 m	93 m	155 m	240 m	

CIF Gen 5/6/7 Thermal Sensors				
	Gen 5/6 T079 & Gen 7 T100	Gen 5/6 T119 & Gen 7 T150	Gen 5/6 T237 & Gen 7 T280	G7 T500
<b>Resolution</b>	336 x 252	336 x 252	336 x 252	336 x 252
<b>Focal Length</b>	Gen 5/6: 7.9mm Gen 7: 10mm	Gen 5/6: 11.9mm Gen 7: 15mm	Gen 5/6: 23.7mm Gen 7: 28mm	50mm
<b>Image angle (H x V)</b>	45° x 35°	25° x 19°	17° x 13°	9.3° x 7.1°
<b>Image width/height (1m)</b>	0.8 / 0.6 m	0.4 / 0.3 m	0.3 / 0.2 m	0.2 / 0.1 m
<b>Image width/height (10m)</b>	8.3 / 6.3 m	4.4 / 3.4 m	3 / 2.3 m	1.6 / 1.2 m
<b>Image width/height (50m)</b>	41.4 / 51.5 m	22.2 / 16.7 m	15 / 11.4 m	8.1 / 6.2 m

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<b>Person</b>				
Detection	175 m	225 m	360 m	
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<b>Detection</b>	An object is present and moving (2 vertical pixels are visible)
<b>Recognition</b>	It is possible to distinguish objects, e.g., a person or a vehicle (8 vertical pixels are visible)
<b>Identification</b>	Details of objects can be recognized, e.g., the gender of a person or the vehicle type (16 vertical pixels are visible)