Specifications	DT-980	DT-982
Imaging and optical data		
IR resolution	80×80 pixels	120×160 pixels
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 µm	
Focal length	9mm	9mm
Field of View (FOV)	17°x17°	19°x 25°
Minimum focus distance	0.5m	0.5m
Spatial resolution	3.78mrad	2.78mrad
Thermal sensitivity/NETD	< 0.1°C @ +30°C (+86°F)/ 100mK	< 0.1°C @ 30°C (86°F) / 100 mK
Image frequency	50Hz	
Focus	Manual	
Zoom	1-32x continuous, digital zoom	
Image presentation		
Image modes	IR image, visual image, picture in picture	
Picture in Picture	IR area on visual image	
Color palettes	Iron/rainbow/grey/grey inverted	
Measurement		
Object temperature range	–20 to 150°C (–4 to 302°F)	–20 to 150°C (–4 to 302°F)
	0 to 350°C (32 to 662°F)	0°C to 350°C (32 to 662°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading	
Measurement analysis		
Spot	Center Spot, Auto hot or cold markers	
Set-up		
laser	< class2	
Language selection	English, Chinese, French, German, Spanish	
Storage of videos/images		
Inside Memory	100M bytes, About 80pictures or one minute video record	
Storage media	8Gbytes Micro SD card	
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes	
Image storage format	Standard JPEG, including measurement data, on memory card > 6000 pictures	
Digital camera		
Built-in visible light digital camera	5 Megapixels	
Built-in digital lens data	59°	
Data communication interfaces		
Interfaces &Video out	USB-mini, audio, HDMI	
USB	Data & Live video transform between camera and PC or smartphone	
Power system		
Battery / Input voltage	Li-ion battery, 4 hours operating time / DC 5V	
Charging system / Power management	In camera (AC adapter) /Automatic shutdown	