Specifications	DT-870	DT-980
Imaging and optical data		
IR resolution	80×80 pixels	80×80 pixels
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm	Uncooled microbolometer / 8–14 μm
Focal length	7.5mm.	9mm
Field of View (FOV)	21x 21°	17x17°
Minimum focus distance	0.5m	0.2m
Spatial resolution	4.53mrad	3.77mrad
Thermal sensitivity/NETD	<0.1°C/100mK	< 0.08°C /80mK
Image frequency	50Hz	50Hz
Focus	Focus Free	Manual
Zoom	-	1-32x continuous, digital zoom
Image presentation		
Display	2" TFT LCD, 240x320 pixels	2" TFT LCD, 240x320 pixels
Image modes	IR image	IR image, visual image, picture in picture, AUF
Picture in Picture	-	IR area on visual image
Color palettes	IRON/Rainbow/Grey/Grey Inverted	IRON/Rainbow/Grey/Grey Inverted
Measurement		
Object temperature range	–20 to 150°C 0 to 350°C extended to –20 to 650°C	–20 to 150°C 0 to 350°C extended to –20 to 650°C
Accuracy	±2°C or ±2% of reading	±2°C or ±2% of reading
Measurement analysis		
Spotmeter	Center Spot	Center Spot,Auto hot or cold markers
Set-up		
Language selection	English, Chinese, French, German, Spanish	
Storage of videos/images		
Inside Memory / Storage media	Internal Storage	100M bytes, 80pictures or one minute video record / 8G Micro SD card
Video storage format	-	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes
Image storage format	Bitmap (BMP)	Standard JPEG, including measurement data, on memory card > 1000 pictures
Digital camera		
Built-in visible light digital camera	-	5 Megapixels; 59°
Data communication interfaces		
Interfaces &Video output	USB-micro	USB-micro, audio, HDMI
USB	Data	Data & Live video transform between camera and PC or smartphone
Bluetooth	Yes	Yes
WiFi		
Live video between device and PC	No	Yes
Transfer images and data to mobile devices	(Bluetooth only)	Yes
Battery / Input voltage / Laser		
	Li-ion battery, 4 hours operating time / DC 5V / < 1mW	

D-870 / D-980

Hand-held thermal imaging camera is designed to make your work easier by providing accurate, fast and reliable temperature measurement. Simple and easy to operate the camera uses point and shoot infrared technology to produce high-quality thermal images that are displayed on the TFT screen. 50Hz fast frame rate enables fast capture of temperature variation where critical temperature conditions are directly displayed with automatic hot/cold spot recognition. The camera has the ability for datalogging via the internal memory while Bluetooth connectivity allows the for easy transfer of data to the user's smartphone or Bluetooth device. The smart design is robust, compact and lightweight with the camera being able to withstand drops from up to 2m.

Thermal imaging cameras may be used for a multitude of temperature related applications; use the camera around the mouldshop to measure part ejection temperature, check heater-band temperatures and also troubleshoot possible cooling problems or dryer temperatures simply by measuring the hose temperature; these may not give exact readings but, are a great way to quickly identify possible problems and are an invaluable aid to process verification. The camera will quickly identify the temperature of polymer melt temperature – giving an almost instantaneous reading – in comparison a melt probe can take up to 30 seconds for the reading to stabilise.

The built-in LED flashlight is convenient when working in dark and unlit inspection environments.
8 hour battery life with the rechargeable battery and automatic shutdown.
Easy-to-use interface, this unit is ideal for monitoring process parameters, predictive maintenance, equipment troubleshooting and verification.
The compact, rugged and lightweight design allows for optimum portability and performance, even in harsh working conditions.

D-980

5 Megapixel built-in digital camera enables the overlaying of digital and thermal images as well as the more advanced fusion mode.
100Mb internal memory (80 Pictures JPEG / 1 minute of live video MPEG-4) or up to 60 minutes video using the 8GB micro SD Card,
Video output via USB or HDMI.
8 hour battery life with the rechargeable battery and automatic shutdown.
Easy-to-use interface, this unit is ideal for monitoring process parameters, predictive maintenance, equipment troubleshooting and verification.
The compact, rugged and lightweight design allows for optimum portability and performance, even in harsh working conditions.

Supplied with adaptor, battery, App software, USB cable and convenient carry case.