



# SATIR-D160

## Infrared Thermal Imaging Camera

### Introduction

D160 is a versatile, rugged and ergonomically designed thermal imager. It has a 160x120 UFPA detector which delivers 19200 pixels to the screen giving the end-user a clear image. There are a number of colour palettes available which can enhance the image further for the end-user. The D160 delivers good quality image performance for money and with its IP65 encapsulation it is suitable to be used for a wide range of applications in a number of industries.

### Features

- 160x120 resolution
- Thermal Sensitivity (NETD) 0.05°C@30°C
- Ergonomic design
- Easy operation
- 6 hours continuous operation



# D160 SPECIFICATION

IMAGING PERFORMANCE	
NETD	0.05°C@30°C
Focus	Fixed focus
Display	2.8" TFT LCD, 320x240
Detector type	FPA, Uncooled Microbolometer, 16 0×120 pixels
Frame rate	9Hz
Spectral range	8-14um
FOV	56°×42°
Spatial Resolution (IFOV)	11 mrad
Measuring Range	10~40°C (accuracy±0.5°C)
Temperature Reading	Auto capture max./min. temperature and center temperature measurement
Image	
Composite Image	BPM format, Auto/Manual save to SD card
Palettes	Iron/White hot/Black hot/Rainbow/Feather
Environment	
Operating Environment temperature	-20°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Humidity	10% ~ 90% , non-condensing
Power	
Battery	Li-ion 3.7V/5000mAh, 4 hours charging time-5V/2A
Operate time	≥6 Hours
Physical Characteristics	
Size	236x 75.5 x86mm
Weight	≤455g
Encapsulation	IP65
Accessory	User Manualx1, USB-C cablex1, 16GB TFT Cardx1

