

Dynacom WQU1-640S UAV Thermal Modules



Designed for UAV with weight less than 210g, real-time temperature measurement & store 16 bit fully radiometric IR-video into SD card while flying.

Model No.	WQU1-640S
IMAGING PERFORMANCE	
Thermal sensitivity	0.03°C at 30°C
Digital image enhance	Normal, Image
Frequency	50 Hz
Focus	Manual
Electronic zoom function	1x, 4x
Detector type	Focal Plane Array (FPA), 640×480 pixels
Spectral range	7-14µm
Field of view	25°×18.7°
Spatial resolution	0.68 mrad
IMAGE PRESENTATION	
Composite video	NTSC / PAL Composite video
Palettes	white hot / black hot / iron
MEASUREMENT	
Temperature range	-20°C ~ +150°C (Optional: Extend to 500°C)
Accuracy	±2°C or ±2% of reading
ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-20°C to +50°C
Storage temperature range	-40°C to +70°C
Humidity	Operating and storage 10% to 95%, non-condensing
PHYSICAL CHARACTERISTICS	
Size	99×54×65 (mm)
Weight	≤210g
INTERFACE	
Storage	16 full radiometric infrared temperature data to SD card

