

Dynacom WQU2-640 UAV Thermal Modules



- Specialized for UAV
- Temperature measurement & Video recording
- Compact design with light weight
- Reinforced housing IP65
- Applied in police, firefighting electric power plants, etc.

Model No.	WQU2-640
THERMAL IMAGING PERFORMANCE	
Thermal sensitivity	0.03°C at 30°C
IR Image frequency	30Hz
Focus	Fixed Focus (10m away free focus)
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
Temperature range	-20°C~+200°C (Optional: Extend to 500°C)
Accuracy	±2°C, ±2% of reading
Palettes	12 standard palettes
DIGITAL CAMERA PERFORMANCE	
Resolution	12 MPixels
Frequency	48fps@1440p
Field of view	24°× 13.5°
Focus	Fixed focus (10 m away free focus)
INTERFACE / FORMAT SPECIFICATION	
Video output	NTSC/PAL composite video
Control interface	Rs232
Synchronous image saving	5 images
Data storage	TF card
ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-10°C to +50°C
Storage temperature range	-40°C to +70°C
Humidity	Operating and storage 10% to 95%, non-condensing
Encapsulation	IP65
PHYSICAL CHARACTERISTICS	
Size	106×120×67 (mm)
Weight	≤650g