

Dynacom WQP-640 UAV Professional Modules



- Designed for UAV with weight less than 600g, Infrared - Visible light dual channel, real-time temperature measurement & store 16 bit fully radiometric IR-video into SD card while flying

Model No.	WQP-640
IMAGING PERFORMANCE	
Imaging Performance	0.05°C at 30°C
Image frequency	50HZ
Focus	Fixed Focus (10 m away free focus)
Detector type	Focal Plane Array (FPA), uncooled microbolometer 640×480 pixels
Spectral range	8~14µm
Field of view	25°×18.7°
Spatial resolution (IFOV)	0.68mrad
IMAGE PRESENTATION	
Composite video	NTSC / PALComposite video
Palette	White hot / Black hot / iron
MEASUREMENT	
Temperature range	-20°C~+150°C
Accuracy	±2°C or ±2% of reading
DIGITAL CAMERA PERFORMANCE	
Resolution	16 MPixels
Frequency	1080p/30
Field of view	24°×13.5°
Focus	Fixed Focusing
PHYSICAL CHARACTERISTICS	
Weight	≤600g
Size	108 x 131.5 x 91 mm
ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-20°C ~50°C
Storage temperature range	-40°C ~ 70°C
Humidity	Operating and storage 10% to 95%, non-condensing
Encapsulation	IP54
INTERFACE / FORMAT SPECIFICATION	
Output format	Both CCD and IR are outputted in NTSC/PAL composite video.
Control interface	RS232
Synchronous image saving	5 images
Data storage	Double SD card