

# Dynacom WQP-640KZ UAV Professional Modules



- Designed for UAV, PTZ augmentation function (pitch/roll axis) efficiently eliminates video jitters.

<b>Model No.</b>	<b>WQP-640KZ</b>
<b>IMAGING PERFORMANCE</b>	
Imaging Performance	0.03°C at 30°C
Image frequency	50/60HZ
Focus	Electric focus-Auto focus
Detector type	Focal Plane Array ( FPA ), uncooled microbolometer 640×480 pixels
Spectral range	8~14μm
Field of view	10°×8° (60mm) / 40°×30° (15mm)
Spatial resolution ( IFOV )	0.272mrad/1.08mrad
Electronic zoom function	1X~4X
Temperature range	-20°C~+ 150°C
Accuracy	±2°C or ±2% of reading
Max temperature automatic tracking	Automatically capturing max temperature and showing specific data in display in-real time
GPS Position	GPS information and IR image data can be played in the software of base-station. IR image data could be retrieved by corresponding GPS information.
Palette	White hot / Black hot / iron
Operating temperature range	-10°C~50°C
Storage temperature range	-40°C~70°C
Humidity	Operating and storage 10% to 95%, non-condensing
Encapsulation	IP54
<b>Servo Control Pan-tilt</b>	
Stability augments	Angle of pitch:±40°, Angle of horizontal:±20°
Stability accuracy	0.5°
Max rotation velocity	5°/second
Power supply	12V 1A
<b>Image transmission module</b>	
Airborne transmitter	
Ground-based receiver	
operating frequency	5.8GHz
Channel	8 channel
Ground-based controller	
Input voltage	4.8~7.4V
<b>Base-station</b>	
Display Size	7" TFT LED display
Native Resolution	800×480
Brightness	400-450cd/m <sup>2</sup> (maximum brightness)
Contrast Ratio	500:1
Viewing angle	140°/110° (Horizontal / Vertical)
Weight	450g
<b>INTERFACE / FORMAT SPECIFICATION</b>	
Control interface	PMW
Storage	16bits full radiometric IR images and video will be stored into SD card
Whole system Weight	1396g (Including gimbal)