

Dynacom WQP-640-1 UAV Professional Modules



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

| | |
|---|---|
| Model No. | WQP-640-1 |
| IMAGING PERFORMANCE | |
| Imaging Performance | 0.03°C at 30°C |
| Image frequency | 50/60HZ |
| Focus | Manual focus |
| Detector type | Focal Plane Array (FPA), uncooled microbolometer 640×480 pixels |
| Spectral range | 8~14μm |
| Field of view | 25°×18.7° (25mm) |
| Spatial resolution (IFOV) | 0.86mrad |
| 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 |
| DIGITAL CAMERA PERFORMANCE | |
| Resolution | 16 MPixels |
| Lens | 24°×13.5° / 12mm (Manual focus) |
| Servo Control Pan-tilt | |
| Stability augments | Angle of pitch:±40°, Angle of horizontal:±20° |
| Stability accuracy | 0.5° |
| Max rotation velocity | 5°/second |
| Power supply | 12V 1A |
| Image transmission module | |
| Airborne transmitter | |
| Ground-based receiver | |
| operating frequency | 5.8GHz |
| Channel | 8 channel |
| Ground-based controller | |
| Input voltage | 4.8~7.4V |
| Base-station | |
| Display Size | 7" TFT LED display |
| Native Resolution | 800×480 |
| Brightness | 400-450cd/m ² (maximum brightness) |
| Contrast Ratio | 500:1 |
| Viewing angle | 140°/110° (Horizontal / Vertical) |
| INTERFACE / FORMAT SPECIFICATION | |
| Control interface | PMW |
| Storage | 16bits full radiometric IR images and video will be stored into SD card |
| Whole system Weight | 886g (Including gimbal) |