

## Dynacom WQU1-640 UAV Thermal Modules



- Specialized for UAV
- Temperature measurement & Video recording
- Compact design with light weight
- Reinforced housing IP54
- Applied in police, firefighting electric power plants, etc.

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| Model No.  | WQU1-640   |
| <b>IMAGING PERFORMANCE</b>                                       |  |
| Thermal sensitivity  | 0.03°C at 30°C                                   |
| Digital image enhance  | Normal, Image                                    |
| Frequency  | 50 / 60Hz  |
| Focus  | Manual   |
| Electronic zoom function   | 1X~8X  |
| Detector type  | Focal Plane Array (FPA),640×480 pixels           |
| Spectral range   | 7-14μm   |
| Field of view  | 25°×18.7°  |
| Spatial resolution   | 0.68 mrad  |
| <b>IMAGE PRESENTATION</b>  |  |
| Composite video  | Rs170 EIA / NTSC or CCIR/ PAL composite video    |
| Palettes   | 12 standard palettes                             |
| <b>MEASUREMENT</b>   |  |
| Temperature range  | -20°C~+200°C ( Optional: Extend to 500°C)        |
| Accuracy   | ±2°C or ±2% of reading                           |
| <b>ENVIRONMENTAL SPECIFICATION</b>                               |  |
| 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  | IP54   |
| <b>PHYSICAL CHARACTERISTICS</b>                                  |  |
| Size   | 110×71×67 (mm)                                   |
| Weight   | ≤350g  |
| <b>OPTIONAL LENSES / INTERFACE ( CONFIRM BEFORE PRODUCTION )</b> |  |
| Interface  | H R S  |

