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| **Airport Bird-repellent Thermal Camera** |
| **FQ-H617-W60-V01** |
| **Sensor Performance** |
| Sensor type | VOx Uncooled FPA 640\*480 |
| Pixel size | 17um |
| Wavelength | 8-14um |
| **Laser** |
| Laser power | 556mW |
| Laser emission angle | 10° |
| Laser emission distance | ≥300m |
| Laser level safety lock | 8 options |
| **Image display performance** |
| Effective focal length | 60mm |
| FOV | 10°×7.5° |
| F# | 0.83 |
| NETD | 300K |
| MRTD | ≤40mk |
| Storage module | SD card（16GB） |
| Video/Picture Storage Format | AVI/BMP |
| LCD screen resolution | 800×480 |
| **Environmental parameters** |
| Operating temperature range | -20℃~50℃ |
| Storage temperature range | -30℃~70℃(No battery) |
| Vibration test | 10-55-10Hz, sine frequency sweep rate of 1 oct/min, amplitude of 0.15mm, 5 cycles in each of the Z, X, and Y axis directions |
| Impact test | Half sine wave, impact 15g, duration 11ms, 3 times/direction, three axes and three directions |
| Salt spray test | 5% sodium chloride, 12h |
| Protection level | Sealed enclosure IP54 |
| **Power Supply** |
| Power Supply | Dual battery 18650 |
| Laser battery | 18350/1200mAh |
| Host battery | 18650/3400mAh |
| **Image and Functions** |
| Imaging start time | ≤12S (normal temperature) |
| Shutter | Automatic shutter compensation |
| Image algorithm | 8 kinds of false color optional |
| 5-level brightness optional |
| X2、X4 image magnification optional |
| Image recognition | Bird identification (optional) |
| Laser strike coaxial display |
| Laser cursor adjustment | Open, close, mark position shift |
| External interface | SD card output |
| RS232（Baud rate:： 115200bps） |
| **Range of Effective** |
| Target size | 20cm×20cm/40cm×60cm |
| Detection distance | 350m/550m |
| **Physical characteristics** |
| Weight | 18cm\*16cm\*9cm |
| Dimension | ≤1.5kg |