Datasheet

Company contact details
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E-mail: info@workswell.eu

Web: www.drone-thermal-camera.com
## WIRIS MINI technical specification

### Thermal Imaging Camera

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>384 x 288 pixels</td>
</tr>
<tr>
<td>Temperature ranges</td>
<td>-10 °C to +250 °C</td>
</tr>
<tr>
<td>Temperature sensitivity</td>
<td>0.05 °C (50 mK)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±3 % or ±3 °C</td>
</tr>
<tr>
<td>Spectral range</td>
<td>8 – 14 μm, Uncooled VOx microbolometer</td>
</tr>
<tr>
<td>Calibration</td>
<td>Yes, the package includes the calibration certificate</td>
</tr>
<tr>
<td>Lens</td>
<td>Field of view 35° (13mm)</td>
</tr>
<tr>
<td>Focus</td>
<td>Manual (focused on infinity, Min focus distance depends on lens)</td>
</tr>
<tr>
<td>Digital zoom in IR</td>
<td>12x</td>
</tr>
</tbody>
</table>

### Digital Camera

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1600 x 1200 pixels</td>
</tr>
<tr>
<td>Focus and zoom</td>
<td>Fixed, 16x digital</td>
</tr>
</tbody>
</table>

### Remote control & Video output

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital interfaces</td>
<td>PWM, S.BUS, USB 2.0 (data transfer, WIRIS Mini update and control)</td>
</tr>
<tr>
<td>Video output</td>
<td>Digital HDMI (1280 x 1024px), Analogue Video (NTSC, PAL)</td>
</tr>
</tbody>
</table>

### Memory and data recording

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image recording</td>
<td>Radiometric JPEG, Radiometric TIFF, Non-Radiometric, Digital camera JPEG</td>
</tr>
<tr>
<td>Video recording</td>
<td>No</td>
</tr>
<tr>
<td>GPS tagging</td>
<td>Yes, MavLink or GPS serial communication</td>
</tr>
<tr>
<td>Software</td>
<td>Internal / Micro SD card slot</td>
</tr>
</tbody>
</table>

### Measurement functions

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement functions</td>
<td>Max temperature, Min temperature</td>
</tr>
<tr>
<td>Emissivity correction</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Power supply & dimensions

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input supply voltage</td>
<td>7 – 28 V DC (&lt; 6W power dissipation)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>86 x 68 x 47 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt;160g</td>
</tr>
</tbody>
</table>