Housing Diagnosis
by IR Thermography

★70° wide angle lens (F50B)
Wide angle shooting from short distance
★Easy operation by touch panel
★Focusing is not required. Focused clear image by anyone.
★Detachable small camera (Visible camera, LED light)
Inserting camera to tight spot, attic, under floor for shooting images

AVIR-AP-010(E)

【Thermal image samples】

Distance 1m 3m 5m
FOV(m) 1.4x1.4 4.2x4.2 7.0x7.0

F50B(70° lens model)
Measuring distance and field of view

"Heat" distribution of wall, floor, and ceiling visualizes thermal insulation and brace, etc., to check condition of housing, which gives useful data for buying & selling of real estate, check before & after of renovation.

 Recommended model: ThermoFlex F50 Series

※Checking of insulation and brace requires external thermal shock to object such as solar radiation, heating, air condition to cause temperature difference. It may not be available depending on structure of construction.
Thermal imaging of attic, under floor and overhang of roof by commercially available accessory such as a selfie stick.

ThermoFlex F50 makes impossible thermal imaging possible

**Thermo Flex F50 Series Specification**

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<th>Standard Model</th>
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<td><strong>Field of View</strong></td>
<td>35°</td>
<td>70°</td>
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<tr>
<td><strong>Measurement Distance</strong></td>
<td>30㎝〜30㎝</td>
<td>30㎝〜30㎝</td>
</tr>
<tr>
<td><strong>Focusing</strong></td>
<td>Not required</td>
<td>Not required</td>
</tr>
<tr>
<td><strong>Pixel Resolution</strong></td>
<td>240×240 pixels (57,600 pixels)</td>
<td></td>
</tr>
<tr>
<td><strong>Frame Rate</strong></td>
<td>7.5Hz</td>
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<tr>
<td><strong>Temp. Resolution</strong></td>
<td>0.05℃</td>
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<tr>
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<td>-20℃〜350℃</td>
<td></td>
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<tr>
<td><strong>External Interface</strong></td>
<td>USB2.0 mass storage</td>
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<tr>
<td><strong>IP Rating</strong></td>
<td>IP64</td>
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<td><strong>Impact Resistance</strong></td>
<td>1m Fall</td>
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<td><strong>Operating Temp.</strong></td>
<td>-20℃〜70℃</td>
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<tr>
<td><strong>Weight</strong></td>
<td>Approx. 500g (Camera 100g, Controller 400g)</td>
<td></td>
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</table>

**Main Body Functions**

- Message Recording
- Voice Recording
- Digital Zoom
- Thermal/Visible Mixing
- Auto Temp. Setting
- Alarm
- Point Temp. Measurement
- Auto Tracking Point
- Interval Recording
- Fire Recording
- 2-points Temp. Subtraction
- BOX Temp. Measurement
- Line Profile
- Trend Graph

“Ultimate free angle” by detachable small camera head

With Selfie Stick

Please see detail for brochure.

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Avio offers most suitable model for all of your measurement needs.

**NIPPON AVIONICS CO., LTD.**

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**WARNINGS & CAUTIONS**

- Before using this product, please carefully read the provided Operation Manual "WARNINGS & CAUTIONS" section to ensure proper operation.
- Please do not place the product in high temperature, high humidity or high inert gas environments.