InfReC R300SR series

Highly Sensitive, High Resolution, High Quality Thermal Image Capturing for Thermographers.

Super Resolution Images are Instantaneously Replayed on Camera View Screen Immediately After Shooting Without a PC.

Sensor format image (320 x 240 pixels)

Super Resolution mode image (640 x 480 pixels)

Model R300SR High Resolution Thermal Images Surpass ALL Infrared Thermal Imaging Cameras in this Class by use of Avio’s Multi-Frame Super Resolution Processing.

- Super Resolution (SR) mode 640 x 480 pixels.
- Highest in Class Thermal Sensitivity (NETD) of 0.025°C (Model R300SR-S).
- Spatial Resolution corresponds to 0.8mrad (Super Resolution (SR) mode).
- Additional Super Resolution Image Clarity is Provided by Included PC Software.
Both Thermal and Visual Images are Captured Simultaneously

Transfer Thermal Images to a PC at 60 fps via USB2.0. *5
Capture Real-time and Visual Images and Simultaneously Analyze Thermal Image.

On-line Analysis Software is Standard accessory.*
Rich functions in both On-line and Off-line.

- Camera Control
  Control focus, set temperature measuring range and perform calibration, etc., via PC.

- Real-time image display and recording
  Display thermal image, visual image and fusion image simultaneously in real-time and record to PC (HDD).

- Real-time measurement
  Display temperatures of measuring points and max/min/average in specified boxes.

Close-up Focus with Standard Lens

Realize 80μm Minimum Spatial Resolution at 10 cm Resolution (SR mode)
Use the Model R300SR series standard Lens with 10 cm close-up focus lens capability, 80μm Spatial Resolution is Achieved with Avio’s Multi-frame Super Resolution Technology.

Measuring Distance and F.O.V.
Field of View and Spatial Resolution are the same magnification with measuring distance.

Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>R300SR</th>
<th>R300SR-D</th>
<th>R300SR-H</th>
<th>R300SR-HD</th>
<th>R300SR-S</th>
<th>R300SR-SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens Type</td>
<td>2x Telephoto Lens</td>
<td>5x Wide Angle Lens</td>
<td>72um Close-up Lens</td>
<td>AC Adapter</td>
<td>Rechargeable Battery Pack</td>
<td>Battery Charger</td>
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<tr>
<td>Screen</td>
<td>7” Touch Screen</td>
<td>5” Touch Screen</td>
<td>4” Color LCD</td>
<td>110V/220V</td>
<td>110V/220V</td>
<td>NC-LSC06-110V/220V</td>
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<tr>
<td>Memory</td>
<td>SD Card</td>
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<td>3A/4A/5A/6A (Class-2 Red)</td>
<td>2UR18650F</td>
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<td>Mass-Storage/Image Transfer</td>
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<tr>
<td>I/O Port</td>
<td>Wired Remote Control Unit</td>
<td>Alarm output</td>
<td>Interval Recording</td>
<td>Yes</td>
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<tr>
<td>Interface</td>
<td>Mass-Storage/SD Card</td>
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<tr>
<td>Resolution</td>
<td>224-0053, Japan</td>
<td>Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Shin-Yokohama Plant Shimamura-Building, 4475, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, 224-0053, Japan</td>
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<tr>
<td>TEL: +81-45-930-3596</td>
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<td>E-mail: <a href="mailto:product-irc-e@ml.avio.co.jp">product-irc-e@ml.avio.co.jp</a></td>
<td><a href="http://www.avio.co.jp/english/">http://www.avio.co.jp/english/</a></td>
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