High speed sampling at maximum speed 120Hz (R550Pro)
- 120Hz: 640x120 with windowing
- 60Hz: 640x240 with windowing
- 30Hz: 640x480 at full window

Automatic movie recording function by PC
- Software makes movie recording start automatically by external trigger input.

1.2M pixels Infrared Thermal Imaging Camera
- Super Resolution Mode (SR MODE): 1280x960 pixel
- (Standard MODE): 640x480 pixel
- Spatial Resolution: equivalent to 0.58 mrad

Variety of Lens Lineup Makes Play an Active Role in Various Measuring Scene
- 21um Closeup Lens
- 52um Closeup Lens
- 2x Telephoto Lens
- 2x Wide Angle Lens
- 3x Wide Angle Lens

Selectable 2 models for your application
- R550Pro: Measuring range: -40 to 2000°C
  Suitable for use in R&D, for making high temperature measurements, and for measuring high temperature
- R550: Measuring range: -40 to 650°C
  Excellent choice for inspection of electrical facilities and remotely located pipes.

For monitoring of welding process.

By high speed sampling time of 120Hz (R550Pro), occurrence of small spatter and thermal affection can be checked.

Realizes the highest speed sampling(*) in the portable VGA class equipment
*Research by Avio in August 2018
### Automatic Movie Recording Feature Built In

- Recording movie connected to PC automatically by external trigger input to R550Pro
- Data recording linked with test equipment and field facility is available without configuring I/O system

### Maximum 1.2 million pixel recording (SR mode)

1.2 million pixels  
(Taken by SR mode with digital zoom x2.0)  
0.3 million pixels  
(Take by standard mode with digital zoom x2.0)

### Measuring Distance and F.O.V.

Field of View and Spatial Resolution are the same magnification with measuring distance.

<table>
<thead>
<tr>
<th>Lens Type</th>
<th>2x Telephoto Lens</th>
<th>Standard Lens</th>
<th>2x Wide Angle Lens</th>
<th>3x Wide Angle Lens</th>
<th>Super Resolution/ SR mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Mode</td>
<td>0.44mm</td>
<td>0.9mm</td>
<td>1.74mm</td>
<td>3.1mm</td>
<td>0.30mm</td>
</tr>
<tr>
<td>Spatial Resolution</td>
<td>24x22mm</td>
<td>57x42mm</td>
<td>12x8mm</td>
<td>21x14mm</td>
<td></td>
</tr>
</tbody>
</table>

### Options

- 2x Telephoto Lens: 16” x 12” (24mm)
- 2x Wide Angle Lens: 9” x 6” (14mm)
- 3x Wide Angle Lens: 9” x 6” (14mm)
- 2T (Telephoto Lens): 30mm
- 3T (Wide Angle Lens): 28mm
- AC adapter: "T" type (100~240VAC, 50~60Hz, 0.5A)
- Battery Pack: "B" type (100~240VAC, 50~60Hz, 0.5A)
- Battery Charger: 110~240VAC, 50~60Hz, 0.5A

### Power Kit

R550 series is not including AC adapter, battery charger and AC cables. Please order below Power Kit with R550 series main unit.

<table>
<thead>
<tr>
<th>Power Kit</th>
<th>PKA-110IVM</th>
<th>PKA-110IVD</th>
<th>PKA-220IVD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>For 100 to 120V region</td>
<td>For 110 to 120V region (Taiwan)</td>
<td>For 220 to 240V region (Europe and Asia)</td>
</tr>
<tr>
<td>AC adapter x 1, battery charger x 1 and AC cable x 2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Warnings & Cautions

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

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