Introduction of Thermography with Small Camera Head

Thermo Flex F50

Key Features of Thermo Flex F50

- Detachable camera head for unlimited operational environment
  - Ultra light weight: 100 g
  - Wide FOV: 70° or 35°
  - No focus adjustment:
    - Always optimum thermal image
  - Superior environmental capability:
    - Operation temp. -20~70°C
    - IP64

- Optional cable to fit measurement needs
  - Extended long cable (5 m)
  - Curl cable

- Easy operation like smart phone
- Basic operation by hard key (Operable by work gloves)

For PPM

① What Avio F50 gives you;
Ultimate free angle
Natural and easy posture to increase work efficiency

For Development and Evaluation

② What Avio F50 gives you;
Inside of thermal chamber or process equipment
(IP64, Operating Temp -20~70°C)
- No attaching work of thermocouple
- Improving product quality

Commercially available fix tooling can be utilized

NIPPON AVIONICS CO., LTD.
We have other models!!

Line up of Avio IR thermography series

Products Introduction

◆ For high speed moving object, for fast changing temp. object
◆ Micron level resolution for micro size object

Thermo Hawk H9000

General purpose portable model which is operable under various shooting conditions
◆ Simultaneous recording of visible image

Thermo GEAR G100 series
R300SR series
R500EX series

For abnormal temperature monitoring of production line, and for fire monitoring of equipment.

TS600 series

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td>High end product with “High sensitivity”, “High speed”, and “High resolution”</td>
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<tr>
<td>High Sensitivity; NETD 0.025°C</td>
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<tr>
<td>Lock-in process adaptability</td>
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<tr>
<td>High Speed; Frame time 200Hz</td>
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<tr>
<td>Max. 1kHz (With windowing)</td>
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<tr>
<td>High Resolution; High resolution: 640×512 pixels</td>
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<td>Spatial resolution: 0.6mrad (Standard)</td>
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<td>With microscopic lens: Min. 5um</td>
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Features

All-round model for high cost performance
◆ Transfer motion data of thermal image + visible image (via USB2.0) *(R300SR and 500EX series only)*
◆ Various thermal image + visible image mixing can be achieved in the main body.
  • All image mixing, P-in-P (picture in picture) ; Transparency ratio, display level change are availed
  • Parallel display of thermal and visible image
◆ Rotational display for varies shooting angle

Features

High resolution, highly functional fixed IR monitoring camera
◆ “Wider” and “precision” monitoring is available by high resolution (640x480 pixels) + wide angle (Max. 90°).
◆ PC-less system construction is available by strong alarm function which is embedded in main body, and optional remote controller
◆ Flexible customization is available such as optical lenses

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

NIPPON AVIONICS CO., LTD.

Overseas Sales Department
Industrial Electronic Products Sales Division
4475, Ikonobe-cho, Yokohama, 224-0053, Japan
TEL +81-45-930-3596
Fax +81-45-930-3597
E-mail : product-irc-e@ml.avio.co.jp

http://www.avio.co.jp/english/

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.

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