**Infrared Thermal Imaging Camera**

**High Resolution Infrared Image for Professional Thermographer**

**InfReC R500EX series**

**1.2 M pixels Infrared Thermal Imaging Camera**
- Super Resolution Mode: 1280×960 pixel
- Spatial Resolution: equivalent to 0.58mrad

**Real Time Transfer and Movie Recording into PC**
- Real time transfer of 640 x 480 pixel image at 30Hz in high speed (conventional ratio 2 times)
- Software makes movie recording start automatically by external trigger input to R500EX-Pro

**Temperature Resolution Upped by the Latest Noise Elimination Processing Technology**
- Temperature resolution: 0.025°C by denoising feature (the highest level of this class)
- Temperature accuracy: ±1°C (the highest level of this class)

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

**Selectable 2 models for Your Application**
- R500EX-Pro: Measuring range: -40 to +2000°C
  Suitable for use in R&D, for making high temperature measurements, and for measuring sequential data.
- R500EX: Measuring range: -40 to +500°C
  Excellent choice for inspection of electrical facilities and remotely located pipes.

*1 An internal investigation as of December 2015.

**Measuring From Wide Angle To Micro Area Clearly By Combination with Optional Lenses**

- Using 21µm Closeup Lens (Resolution 21µm)
- Detailed pattern can be taken sharply

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**NIPPON AVIONICS CO., LTD.**
User-Friendly Operation

Easy to shoot from any angle
Multi-angle Tilting LCD Display and 2 REC Key-buttons enable flexible and comfortable one-hand operation.

Various Mixing Mode

Easy to compare 1.2M pixels thermal image with 5M pixels visual image.

Measuring Distance and F.O.V

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

Specifications

- **Infrared Detector**: Uncooled Focal Plane Array (Micromercury)
- **Spatial Resolution**: 8.8 μm (H:14.5°, V:86°)
- **Field of View**: 29.22cm x 21.14cm
- **Resolution**: 0.35mm x 0.6mm

Options

- **Lenses**
  - 2x Telephoto Lens: IRL-1220
  - 2x Wide Angle Lens: IRW-1200
  - 3x Wide Angle Lens: IR-W3100
  - 1.5x Close-up Lens: IR-WC1225
  - Rechargeable Battery Pack: 1201R1805-P-5920

- **Battery Charger**: NC-1DCS-110-220V (110V to 220V)

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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.

Distributor:

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