

NEW

Thermo Gear G30

Infrared Thermal Imager for General Inspections
Ideal for Predictive/Preventive Maintenance & Building Assessment,
User Friendly Operation with Sophisticated GUI Navigation



Applications



| | | |
|---|---|---|
| Digital Camera Simultaneous Shooting and Temperature Display on Visible Image | Multi-Lingual Graphical User Interface with Joystick for Easy Operation | Li-Ion Rechargeable Battery Lasting for 5 hours, Lightweight: Approx. 500g only |
| Fully Radiometric High Quality IR Images | SD Card Direct Recording in JPEG Format for Easy Reporting | Dust/ Splash Proof with IP54-rated Construction |
| Wide Field of View 28 ° (H) x 21 ° (V) | Focus Free (1.3m~), Auto Level-Sense | Fusion, Analysis and Report by PC Software included |
| Min Focus Distance: 10cm | Alarm and Isotherm | 2 Year Warranty |

Specifications

| | |
|---|---|
| Measuring Range | -20 to 350°C |
| Thermal Sensitivity (NETD) | 0.2°C (at 30°C) 0.1°C (with S/N improvement) (at 30°C) |
| Infrared Detector | Uncooled Focal Plane Array, 160 x 120 pixels |
| Spectral Range | 8 to 13µm |
| Frame Rate | 8.5 frames/sec |
| Field of View | 28°(H) x 21°(V) |
| Spatial Resolution (IFOV) | 3.1mrad |
| Focus Distance | 10cm to Infinity (For Temperature Accuracy: 50cm to Infinity) |
| Focus | Manual (Focus-Free beyond 1.3m) |
| Accuracy | ±2°C or ±2%, whichever is greater |
| Visible Light Camera | 0.7M pixels CMOS camera |
| Temperature Display | Center, Max/Min, Moveable (1 point), and ΔT |
| Emissivity Correction | Yes |
| Background Compensation | Yes |
| Isotherm | Yes |
| Alarm | Display Alarm, Color Alarm |
| Image Improvement | Yes (Averaging, Median Filter) |
| Color Palette | Four (4) Types: Rainbow, Iron, Iris, BW |
| Video Output | NTSC/PAL (Min Pin) |
| Image Storage Format/ Medium | Radiometric JPEG/ SD Card |
| PC Interface | USB2.0 (Mass Storage Function) |
| Software | InfReC Analyzer NS9500LT |
| Graphical User Interface's Supported Language | English, French, Spanish, German, Italian, Portuguese, Russian, Finnish, Danish, Norwegian, Swedish, Dutch, Chinese (Traditional, Simplified), Korean and Japanese. |
| Battery Type/ operating time | Li-Ion Rechargeable/ 5 hours with battery status display (typical) |
| Operating Temperature | -15°C to +50°C, 90% RH or less |
| Vibration / Shock | 29.4m/sec ² (3G) / 294m/sec ² (30G) |
| Dimensions | Approx. 80(W) x 209(H) x 123(D) mm |
| Dust-Splash Proof | IP54 |
| Weight | Approx. 500g (including battery) |
| Standard Accessories | AC Adapter, Battery Charger, Rechargeable Li-ion Battery, SD Card (1GB), USB Cable, Hand Strap, Software, Operation Manual and Carrying Case |
| Optional Accessories | Analysis Software (NS9500STD), Tripod |

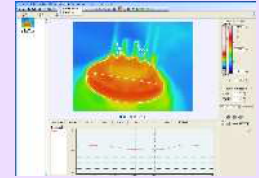
PC Software

InfReC Analyzer NS9500

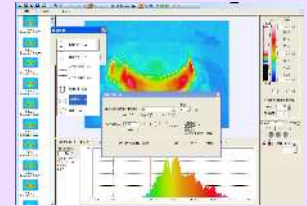
NS9500 Lite: included (NS9500STD: optional)
Thermal Image Processing and Report Generator Software
Easily identifiable menu system for user-friendly operation

- Fusion Display of Thermal/ Visual Image
- Easy Report Generation (MS-WORD/ MS-EXCEL Format)

- Subtracting Function for Thermal Image
- Line Profile Display
- Analysis for Max/ Min/ Peak Temperature
- Drawing Function for Designated Point/ Line/ BOX/

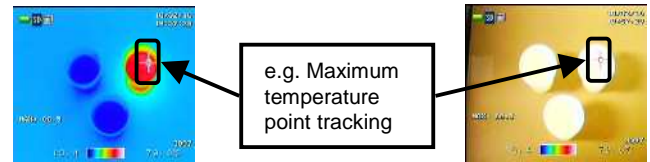


- Optional NS9500STD also features additional functions, as below;
- Drawing Circle/ Polygon Shaped
 - Radiation Heat Quantity Analysis
 - Length Measuring/ Area Calculation
 - Trend Graph Display

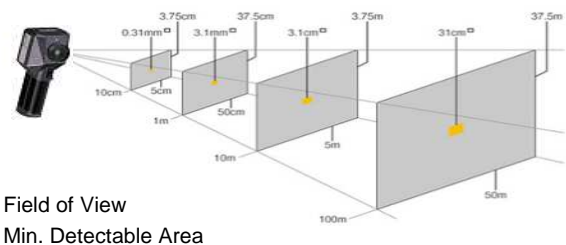


"Measure-on-Picture" Function

All the graphical information overlaid on visible image



Dimensions of Measuring Distance and F.O.V



Graphical User Interface



Simple menu navigation with Joystick for Intuitive Operation



【InfReC】 is the coined abbreviation word of "Infrared Camera" and also has the meaning of (The Device Recording Infrared Information).

Our product research and development is targeted at improving the quality of life by protecting people and simplifying their daily tasks while measuring temperature, controlling environments, enhancing security, etc.

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NEC Avio Infrared Technologies has long experience and expertise in developing infrared cameras since the early 1970's. There is a wide range of portable and fixed mount thermal imagers available from us. To find out more, please visit us at: www.nec-avio.co.jp/en/ or contact our local distribution partners.



H2640

G120/100

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:

