



Infrared Thermal Imaging Camera

High Resolution Infrared Image for Professional Thermographer

InfRec R550series

High speed sampling at maximum speed 120Hz (R550Pro)

- 120Hz: 640×120 with windowing
 60Hz: 640×240 with windowing
 30Hz: 640×480 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.



Image of laser welding

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



Example of laser welder monitoring (Object: Stainless steel, Laser output: 250W, Scan 50mm)



NIPPON AVIONICS CO., LTD.



INPROTEG IRT

Automatic Movie Recording Feature Built In

- Recording movie connected 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 1.2million pixel recoding (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)

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Clear imaging and measurement from wide to micro with use of option lens

With use of 21um close up lens (Spatial resolution 21um)



13mm



Measuring Distance and F.O.V

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

Lens Type		2x Telephoto Lens	Standard Lens	2x Wide Angle Lens	3x Wide Angle Lens	
Field of V		iew (H) \times (V)	29×22cm	57×42cm	128×92cm	211×149cm
L=1m	Spational Resolution	Normal Mode	0.44mm	0.9mm	1.74mm	3.1mm
		Super Resolution (SR mode)*3	0.30mm	0.6mm	1.16mm	2.1mm

Feature R550Pro R550Pro-D R550 R550-0 Infrared Detector Uncooled Focal Plane Array (Microbolometer) Spectral Range 16 14 µm Spectral Range -40 to 2000°C -40 to 650°C -40 to 650°C Sensitivity (NETD) 0.025°C at 30°C (with S/N improvement) -740 to 650°C -751 kz Frame Rate 304 kz / 604 k² / 120 kz² 7.51 kz 30 Hz 7.51 kz Frame Rate 304 kz / 604 k² / 120 kz² 7.51 kz 30 Hz 7.51 kz Spatial Resolution Standard mode : 0.387 mad. Systep Resolution (SR mode) mode : 0.58 mrad equivalent ' Focal Distance 10 cm to infinity (with standard lens) '' Focus Auto Marval Color Pallets (Rahow, Birghtness, Hot-white, Hot-black, etc.) Color Pallets (Rahow, Birghtness, Hot-white, Hot-black, etc.) Color Pallets (Rahow, Birghtness, Tomeparture search: MAX/MIN x1 to ach, Delta T Temperature Davin Mainger Main and X2 in BOX (Up to 5 boxs) N /A Point Temperature Carrection Amar Signal Output N /A Temperature Davin Mainger Main and X2 in BOX (Up to 5 boxs) N /A Point Temperature Carrection Amar Signal Output N /A Mare Signal Averaging (with and string Carreat Averad		Sp	be	cifications				
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Storage Device SD card, Conforms to SDHC Data Format Still image: JPEG with temperature data.14bit (with visible image) Movie : SVX file (Dedicated fo Data Format Still image(JPEG with temperature data.14bit (with visible image) Movie : SVX file (Dedicated fo Quick Panorama Horizontal equivalent to 100° / Vertical equivalent to 75° N/A SD Movie Recording Max 3Hz N/A Interval Recording 3 sec to 60 min interval, with Visible image recorded N/A Voice Recording 3 sec to 60 min interval, with Visible image recorded N/A Voice Recording 3 sec to 60 min interval, with Visible image. Characters imported from SD Card Move Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Text Annotation Annotate up to 128 Characters per a Thermal Image. W1: 640×240 W1: 60Hz N/A W2: 640×120 W2: 120Hz N/A External Trigger Input Automatic recording function by external trigger input N/A Video Output NTSC / PAL Switchable N/A Alarm Output Cornact Signal. No Voitage N/A Display 3.5' LCD Monitor (with tilt and brightnes			Dr	ift Stabilizer	Yes		N/A	
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Outok Panorama Horizontal equivalent to 100° / Vertical equivalent to 75° SD. Movie Recording Max 3Hz N/A Interval Recording 3 sec to 60 min interval, with Visible image recorded N/A External Trigger Recording 30 sec Recording, replay per a Thermal image N/A Voice Recording 30 sec Recording, replay per a Thermal image N/A Woice Data Transfer Thermal image N/A Woice Data Transfer Thermal image N/A Windowing Data Transfer Thermal image N/A Windowing Data Transfer Thermal image N/A W2: 640 × 120 W2: 120Hz N/A Wite 640 × 20 W2: 120Hz N/A Video Output Automatic recording function by external trigger input N/A Video Output Ontact Signal. No Voitage N/A Auxiliary J.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjusti Auxiliary Leser Pointer (Hed, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Moteina & Shock 29.4m/sec2 (30G) External Trigger Input Dust & splash proof Protection			Su	uper Resolution (SR)	Yes			
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Interval Recording 3 sec to 60 min interval, with Visible image recorded External Trigger Recording 3 sec to 60 min interval, with Visible image recorded Voice Recording 30sec Recording, replay per a Thermal image Text Annotation Annotate up to 128 Characters per a Thermal image. Characters imported from SD Card Mass Storage Yes W1: 640×240 Yes W1: 640×240 W1: 60Hz W1: 640×240 W1: 160Hz W1: 640×220 V2: 120Hz External Trigger Input Automatic recording function by external trigger input Video Output Automatic recording function by external trigger input Video Output Contact Signal. No Voitage Alarm Output Contact Signal. No Voitage Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014). LED Light, Remote Controller Topologia -15° C to 50° C, 90%RH (non-condensing) Videita & splash proof Protection class IP54 equivalent Eattery Operation 2.5h	Şt		SL	D Movie Recording	Max 3Hz		N/A	
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Otoce Recording 30sec Recording, replay per a Thermal image Text Annotation Annotation Mass Storage Yes Mode Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Windowing Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Windowing Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Windowing Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Vice Adv 120 W1 : 640+2240 W1 : 640+2240 W1 : 60Hz W1 : 640+2240 W2 : 120Hz External Trigger Input Automatic recording function by external trigger input N/A Video Output NTSC / PAL Switchable N/A Alarm Output Contact Signal. No Voltage N/A Display 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Lawer Controller Operating Temperature & Hundity -15° C to 50° C, 90%RH (non-condensing) Storage Temperature & Hundity -40° C to 70° C, 90%RH (non-condensing) Vibration & Shock 29.4m/sec2 (30,) 294m/sec2 (30,) 2	ge		EX	ternal Trigger Recording	Yes N/A			
Open Text Attribution Autorate up to 128 characters per a Thermai image. Characters imported from SD Card Internet Max Storage Yes Yes Yes Internet Max Storage Yes N/A W1: 640×240 W1: 601/z N/A W2: 640×120 W2: 120Hz N/A Video Dutput Autorate recording function by external trigger input N/A Video Output NTSC / PAL Switchable N/A Alarm Output Contact Signal. No Voitage N/A Display 3.5° L CD Monitor (with tilt and brightness adjustment). Color View Finder (with tilt adjust Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014). LED Light, Remote Controller Conforms to CE regulations (Class A) -15° C to 50° C, 90%RH (non-condensing) Video Output Conforms to CE regulations (Class A) EMC Conforms to CE regulations (Class A) Enter Portection class IP54 equivalent Battery Operation Approx. H121mm XW105mm XD195mm (excluding projection) Weight Approx. H121mm XW105mm 20195mm (excluding projection) Weight Approx. H121mm XW105mm 20195mm (excluding projection) <td>8</td> <td></td> <td></td> <td>vit Appetetion</td> <td>30sec Recording, repl</td> <td>ay per a Thermal image</td> <td>0</td> <td>te d ferm OD Ored</td>	8			vit Appetetion	30sec Recording, repl	ay per a Thermal image	0	te d ferm OD Ored
Image Tes Movie Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Movie Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Windowing Data Transfer Thermal image: Max : 30Hz, Recorded with visible image '7 Visite Output Cohrtz Visite Output W1 : 60Hz Visite Output N/A Visite Output Contact Signal, No Voltage Aiam Output Contact Signal, No Voltage Auxiliary Laser Pointer (Hed, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Operating Temperature & Humidity -40° C to 70° C, 90%RH (non-condensing) Vibration & Shock 29 Am/sec2 (30G) Ubartion & Shock 29 Am/sec2 (30G) Battery Operation 2.5hours (Typ), Rechargeable Li-Ion battery AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mm XW105mm XD195mm (excluding projection) Weight Approx. H121mm XW105mmX D195mm (excluding projection) Weight Approx. 138g (including Battery Pack) Standard Accessories Wired remote Controller x 1, SBC Carlo x 1, USB Cable x1, Neck Strap x 1, Grip Belx 1, Rechargeable Li-Ion battery x 1, Software x1, Operati	ŭ		Te	Mage Storage	Annotate up to 128 Cr	haracters per a Thermai	image. Characters impor	ted from SD Card
Important Thermain Image Max 30 / 2. Necoded with Visuble Image Important Thermain Image N/A Windowing Data Transfer Thermain Image N/A Windowing Data Transfer Thermain Image N/A Windowing Data Transfer Windowing Data Transfer N/A Video Output NTSC / PAL Switchable N/A Alarm Output Contact Signal. No Voltage N/A External Trigger Input Pulse Signal N/A Display 3.5° LCD Monitor (with tilt and brightness adjustment). Color View Finder (with tilt adjust dxxillary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Operation & Shock 29.4m/sec² (30, 294m/sec² (30, 294m/sec² Utation & Shock Conforms to CE regulations (Class A) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ). Recharageable Li-Ion battery AC Po	ŭ		_	Movie Data Transfer	Tes Thormal image: May : 21	Urz Recorded with visible	image *7	
Normal State N/A W1: 640x240 W2: 120Hz W1: 640x240 W2: 120Hz Video Output N/A Video Output NTSC / PAL Switchable Alarm Output Contact Signal. No Voitage N/A N/A Video Output Octact Signal. No Voitage Automatic recording function by external trigger input N/A Video Output Contact Signal. No Voitage N/A Automatic recording function by external trigger input N/A Jisplay 3.5° L CD Monitor (with tilt and brightness adjustment). Color View Finder (with tilt adjust Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014). LED Light, Remote Controller Storage Tempeature & Humidity -40° C to 70° C, 90% RH (non-condensing) Video Output Conforms to CE regulations (Class A) EMC Conforms to CE regulations (Class A) EMC Conforms to CE regulations (Class A) Dimensions Approx. H121mm XV105mm XD195mm (excluding projection) Wried remote Controller x 1, SBC GnO(D) Wried remote Controller x 1, SBC Carlot x 1, USB Cable x 1, Neck Strap x 1, Grip Beltx 1, Rechargeable L-1-Ion Battery x 1, Software x 1, Operation Manual x 1, and Carrying			SE	Windowing Data Transfer	Thermal image. Wax - St	JHZ, RECORDED WITH VISIBLE	image .	
Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State State Image: State State Image: State State Image: State State State Image: State State Image: State State Image: State State Image: State State Image: State Image: State State Image: State Image: State Image: State Image: State Image: State Image: State Image: State Image: State Image: State State Conforms Image: State Image: State Image: State Image: State State Conforms Image: State		Inte	20	W1:640×240			N/A	
Instruction Watch Table N/A External Trigger Input Automatic recording function by external trigger input N/A Video Output NTSC / PAL Switchable N/A Alarm Output Contact Signal. No Voltage N/A External Trigger Input Pulse Signal N/A Display 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Operating Temperature & Hunidity -15° C to 50° C, 90%RH (non-condensing) Video Conforms to CE regulations (Class A) Display Dust & splash proof Protection (Class IP54 equivalent) EMC Battery Operation 2.5hours (Typ), Rechargeable Li-Ion battery AC Power 100V - 220V AC, 50/ 60Hz Dimensions Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-Ion Battery x 1, Software x1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸		erfa	0	W2:640×120	W2:120Hz		N/A	
Lamma Loop with Patiential Cooking is Uncluin by Substantial ingel 1 part Video Output NTSC / PAL Switchable Alarm Output Contact Signal. No Voitage N/A Display Jssplay 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Laser Pointer (Red, class 2, LCC 60825-1 2007/2014), LED Light, Remote Controller Storage Tempenture & Hundity -15° C to 50° C, 90% RH (non-condensing) Vibration & Shock 29.4m/sec2 (30, 294m/sec2 (30, 6) External Conforms to CE regulations (Class A) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50 / 60Hz Dimensions Approx. H121mm XW105mm XD195mm (excluding projection) Weight Approx. L121mm XW105mm XD195mm (excluding projection) Weight Approx. L38g (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Standard ⁷⁸		8		External Trigger Input	Automatic recording funct	ion by external trigger input	N/A	
Index output Index of model Alarm Output Contact Signal. No Voltage N/A External Trigger Input Pulse Signal N/A Display 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Laser Pointer (Red, class 2, IEC 60825-12007/2014), LED Light, Remote Controller Operating Temperature & Hundity -40° C to 70° C, 90%RH (non-condensing) Strage Temperature & Hundity -40° C to 70° C, 90%RH (non-condensing) Witration & Shock 29.4m/sec² (3G), 294m/sec² (3OG) EMC Conforms to CE regulations (Class A) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery X 1, Software X 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸			Vi	deo Output	NTSC / PAL Switchah	le	10/11	
External Trigger Input Pulse Signal N/A Display 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Operating Temperature & Humidity -15° C to 50° C, 90%RH (non-condensing) Storage Temperature & Humidity -40° C to 70° C, 90%RH (non-condensing) Vulnation & Shock 29,4m/sec² (30, 294m/sec² (30, 294m/sec² (30) Class A) Dust & splash proof Protection (Lass IP54 equivalent) EMC Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power DUV - 220V AC, 50/60Hz Dimensions Approx. 1.3kg (including Battery Pack) Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸			AL	arm Output	Contact Signal No Voltage N/A			
Display 3.5° LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjust Auxiliary Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller To genering Temperature & Humidity -15° C to 50° C, 90%RH (non-condensing) Vibration & Shock 29.4m/sec² (30.6) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mmXW105mmX D195mm (excluding projection) Weight Approx. 1.38g (including Battery Pack) Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸			External Trigger Input		Pulse Signal	1080	N/A	
Auxiliary Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller Togetating Temperature & Humidity -15° C to 50° C, 90%RH (non-condensing) Storage Temperature & Humidity -40° C to 70° C, 90%RH (non-condensing) Wibration & Shock 29.4m/sec² (3G), 294m/sec² (3GG) EMC Conforms to CE regulations (Class A) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50.60Hz Dimensions Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery X 1, Software X 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸		D	Display		3.5" I CD Monitor (with	tilt and brightness adju	stment). Color View Find	der (with tilt adjustment)
Operating Temperature & Humidity -15° C to 50° C, 90%RH (non-condensing) Storage Temperature & Humidity -40° C to 70° C, 90%RH (non-condensing) Vibration & Shock 29,4m/sec² (30, 294m/sec² (30, 294m/sc² (30, 294m/s		A	uxil	iarv	Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller			
Starge Temperature & Humidity -40° C to 70° C, 90%RH (non-condensing) Vibration & Shock 29.4m/sec² (30), 294m/sec² (30G) Vibration & Shock 29.4m/sec² (30), 294m/sec² (30G) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ). Rechargeable Li-lon battery AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mm×W105mm XD195mm (excluding projection) Weight Approx. 1.38g (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery X 1, Software X 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸		5	Ope	erating Temperature & Humidity	-15° C to 50° C, 90%RH (non-condensing)			
Vibration & Shock 29.4m/sec² (3G), 294m/sec² (3OG) EMC Conforms to CE regulations (Class A) EMC Conforms to CE regulations (Class A) Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50.60Hz Dimensions Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery X 1, SOthware x1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸		ionn	Sto	rage Temperature & Humidity	-40° C to 70° C, 90%RH (non-condensing)			
EMC Conforms to CE regulations (Class A) Dust & splash proof Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mm×W105mm×D195mm (excluding projection) Weight Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ^{'8}		A Ina	Vi	bration & Shock	29.4m/sec2 (3G), 294m/sec2 (30G)			
Battery Operation Protection class IP54 equivalent Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery AC Power 100V - 220V AC, 50/ 60Hz Dimensions Approx. H121mm×W105mm×D195mm (excluding projection) Weight Approx. 13kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ^{*8}		lesista	E١	ИС	Conforms to CE regulations (Class A)			
6 Battery Operation 2.5hours (Typ), Rechargeable Li-lon battery A Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mm XW105mm XD195mm (excluding projection) Weight Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ⁷⁸	Qŧ	108	Dust & splash proof		Protection class IP54 equivalent			
AC Power 100V - 220V AC, 50/60Hz Dimensions Approx. H121mm×W105mm×D195mm (excluding projection) Weight Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable L1-lon Battery x 1, Software x1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ^{'8}	ner:	В	Battery Operation		2.5hours (Typ), Rechargeable Li-Ion battery			
Dimensions Approx. H121mm×W105mm×D195mm (excluding projection) Weight Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-Ion Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ¹⁸		Α	AC Power		100V - 220V AC, 50	/60Hz		
Weight Approx. 1.3kg (including Battery Pack) Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ^{*8}		D	Dimensions		Approx. H121mm×W105mm×D195mm (excluding projection)			
Standard Accessories Wired remote Controller x 1, SD Card x 1, USB Cable x1, NecK Strap x 1, Grip Beltx 1, Rechargeable Li-lon Battery x 1, Software x1, Operation Manual x1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ^{*8}		W	Weight		Approx. 1.3kg (including Battery Pack)			
Rechargeable Li-Ion Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard ¹⁸		S	Standard Accessories		Wired remote Controller x 1, SD Card x 1, USB Cable x1, Neck Strap x 1, Grip Beltx 1,			
Standard Software InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard *8					Rechargeable Li-Ion B	attery x 1, Software x 1,	Operation Manual x 1, a	nd Carrying Case x 1
		S	tan	dard Software	InfReC Analyzer NS95	00Professional	InfReC Analyzer NS9	500Standard *8

1 Only the Range 1 at the environmental temperature from 20 to 30°C (In other condition, it is ±2°C or ±2%.) 2 Windowing: Mode W1 (640×240) *3 Windowing * Mode W2 (640×120) *4 Still Image Only 5 This noreased resolution results from detecting characteristic within all frames acquired by the SR process and removing such effects as those caused by hand vibration. *6 For temperature accuracy: 300m to infinity *7 Thermal image only when image transfer speed at 30Hz *8 In order to transfer thermal image movie data by R550 /R550-D, you need to upgrade to *InfReC Analyzer NS9500 Professional* (optional software).

Power Kit

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

Item	Model	Specification/remarks		
	PKA-110VGM(US)	For 100 to 120V region (US)	AC adapter x 1,	
Power Kit	PKA-110VGM	For 100 to 120V region (Taiwan)	battery charger x 1 and AC cable x 2	
	PKA-220VGM	For 220 to 240V region (Europe and Asia)		

Options

Options		Model	Specification/remarks
	2x Telephoto Lens	IRL-TX02D	16° (H) × 12° (V)
	2x Wide Angle Lens	IRL-WX02D	64° (H) × 48° (V)
Lens	3x Wide Angle Lens	IRL-WX03D	93° (H) ×73° (V)
	21 µm Closeup Lens	IRL-C021UB20	13mm(H) × 10mm(V), Working Distance 22mm
	52 µm Closeup Lens	IRL-C052UB	33mm(H) × 25mm(V), Working Distance 56mm
	AC adaptor	RC60G-09D-110V(US)/110V/220V	110V(US), 110V or 220V
A	Rechargeable Battery Pack	2UR18650F	2500mAh Driving Hours : 2 Hours (typical)
Accessory	Battery Charger	NC-LSC05-110V(US)/110V/220V	110V(US), 110V or 220V
	LCD Hood	IRU-F01A	

Listed specifications, appearance and design are subject to change without notice. Company and commodity names are trade names or registered trade marks of each company. NIPPON AVIONICS Co., Ltd. will not be responsible for any damage of infrared detectors due to incoming strong light (e.g. laser) through lens(es). Trip product is subject to Japanese Export Control Law. Depending on its destination, prior assessment and authorization may be required. When exporting from country of initial purchase destination, please be sure to follow that country's export regulations as it may require an export permit beforehand.



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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.

Per maggiori informazioni contattare:

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