		Feature	R550Pro	R550Pro-D	R550	R550-D	
	In	frared Detector	Uncooled Focal Plane	Array (Microbolometer)			
Basic Performance	Spectral Range		8 to 14μm				
	Measuring Range		-40 to 2000°C -40 to 650°C				
	Sensitivity (NETD)		0.025°C at 30°C (with S/N improvement)				
	A	ccuracy	±1°C *1				
	Frame Rate		30Hz / 60Hz*2 / 120Hz*3	7.5Hz	30Hz	7.5Hz	
	Detector Pixels		640(H)× 480(V) pixe	ls			
a	Recording Pixels		Standard mode: 640(H) × 480(V), Super Resolution (SR mode) mode: 1280(H) × 960(V) 4				
ದ್ದ	Field of View		32°(H) × 24°(V) (with standard lens)				
(D	S	patial Resolution	Standard mode: 0.87mrad, Super Resolution (SR mode) mode: 0.58mrad equivalent "5				
	F	ocal Distance	10cm to infinity (with standard lens) *6				
		ocus	Auto/Manual				
		uto Function	Auto Scale, Auto Focu				
Į≅	Color Pallets Gradation			ghtness, Hot-white, Hot	-black, etc.)		
æ			256 / 32 / 16 / 8 grad				
Image Display Measuring Functions	Visible Camera		CMOS camera 5M pixels				
		isible/Thermal Fusion	Side-by-side, Fusion (transparency changeable), Picture-In-Picture (transparency changeable)				
	Display Functions		1 to 8 times continuous zoom (with display positioning scroll), Grid Overlay, 9 images multi-display (replay mode)				
	Image Quality Improvement		Denoising, Averaging (with ghost rejection), Edge enhancement				
	Point Temperature		10 Movable Points, Temperature search: MAX/MIN x 1 each, Delta T				
	Temperature Display in Assigned Region		MAX, MIN and AVG in		N/A		
	Line Profile		Horizontal, Vertical, He				
	Alarm Function			Sound, Color Alarm, Alar			
			Alarm Signal Output		N/A		
	Temperature Correction Emissivity		Emissivity, Environmental/Background, Distance Multi-point Correction, Emissivity Table				
					L 11 / 1		
		D 77 O. 1 77	Emissivity Reverse Ca	lculation	N/A		
	Drift Stabilizer		Yes	ODUO	N/A		
	Storage Device Data Format		SD card, Conforms to SDHC Still image: JPEG with temperature data.14bit (with visible image) Movie: SVX file (Dedicated format)				
	Data Storage						
		Super Resolution (SR)	Still image(JPEG with temperature data,14bit), Recorded with visible image Yes				
		Quick Panorama	Horizontal equivalent to 100° / Vertical equivalent to 75°				
Sto		SD Movie Recording	Max 3Hz N/A				
		Interval Recording	3 sec to 60 min interval, with Visible image recorded				
īģ.		External Trigger Recording	Yes N/A				
Storage & Outpur		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				
≒	Interface		Thermal image: Max : 3	OHz, Recorded with visible	image *7		
ı		Windowing Data Transfer W1:640×240	Thermal image				
		N W1:640×240	W1:60Hz		N/A		
		W2:640×120	W2:120Hz				
		External Trigger Input	Automatic recording funct	ion by external trigger input	N/A		
		Video Output	NTSC / PAL Switchal				
		Alarm Output	Contact Signal. No Vo	Itage	N/A		
		External Trigger Input	Pulse Signal		N/A		
	Display		3.5" LCD Monitor (with tilt and brightness adjustment), Color View Finder (with tilt adjustment)				
	A	uxiliary	Laser Pointer (Red, class 2, IEC 60825-1 2007/2014), LED Light, Remote Controller				
	8	Operating Temperature & Humidity					
	Environment	Storage Temperature & Humidity	-40° C to 70° C, 90%RH (non-condensing)				
	nt Resistance	Vibration & Shock	29.4m/sec ² (3G), 294m/sec ² (30G)				
		EMC	Conforms to CE regulations (Class A)				
Others	-	Dust & splash proof	Protection class IP54 equivalent				
SIG	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-Ion Battery x 1, Software x 1, Operation Manual x 1, and Carrying Case x 1 InfReC Analyzer NS9500Professional InfReC Analyzer NS9500Standard *8				
14 0	S	tandard Software	InfReC Analyzer NS95	OUProfessional	IntrieC Analyzer NS9	suustandard °	
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 increased resolution results from descring characteristic within all frames acquired by the SR process and removing such effects as those caused by hand vibration 6 For temperature accuracy: 30cm to Infinity "7 Thermal Image only when Image ransfer speed at 30Hz 8 In order to transfer themal Image movire data by R550 /R550-0, you need to upgrade to "IrR64 Aralyzer N5500 Drodessional" (optional software							
*5 This increased resolution results from detecting characteristic within all frames acquired by the SR process and removing such effects as those caused by hand vibration.							
*8 In order to transfer thermal image movie data by R550 (R550-0, you need to upgrade to "InfReC Analyzer NS9500 Professional" (optional software).							
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R550 R550-D