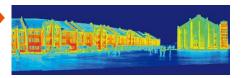






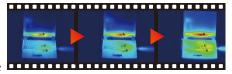
Wide-Angle Shot

World's First +1
Panoramic
Thermal Image +2



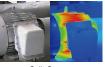
Thermal Image Movie

Direct Recording on SD Card in Fully Radiometric (G120EX:10fps, G120EXD:8.5fps)*2



IR/Visual Integrated Display

Split-Screen, Fusion, Alpha Blending



Split-Screen



Fusion

Averaging Improvement

Minimizes residual images of moving object while averaging



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Existing averaging Function With 'Averaging Improvement'



World's First

*1

Vibration*2

Sound and Display

High Temp Measurement Up to 1500°C, Standard

3.5 inch LCD Screen Tilting Display for Flexible Easy Shooting Posture



Ideal for Short Distance 32°(H) × 24°(V)

Macro Shot

Min. Focus Distance:10cm

Easy Operation

GUI and Joystick for Intuitive Operation, Auto Focus/ Level-Sense

*1:World's first [Panoramic Thermal Image Shooting Function], [Vibration Alarm Function] (Surveyed by our company at end of December, 2009.) *2: Provided on G120EX Series only.



Specifications

		cations				
Item		G120EX	G120EXD	G100EX	G100EXD	
	Infrared Detector		Uncooled Focal Pl	ane Array (microbo	lometer)	•
Basic Performance	Spectral Range		8 to 14µm			
	Measuring Ra	ange	-40 to 1500°C			
	Sensitivity (NETD)		0.04°C at 30°C (with S/N improvement)			
	Accuracy		±2°C or ±2%*1			
	Frame Rate		60Hz	8.5Hz	60Hz	8.5Hz
H	Detector Pixels		320(H)×240(V) pix	els		
an	Field of View		32°(H)×24°(V) (with standard lens)			
e	Spatial Resolution		1.78mrad			
	Focal Distance		10cm to infinity (with standard lens)			
	Focus		Auto / Manual			
lmage Display	Auto Functions		Auto-scale, Auto-fe	ocus. Full-auto		
	Color Pallet		Rainbow, Iris, Brightness, Hot iron, Hot white, Hot black			
	Gradation		256/16/8 tones			
	Visual Camera		CMOS camera 2M pixels			
		Fusion	Yes			
		Picture-In-Picture	Yes			
		Alpha Blending	Yes			
		Side-by-Side	Yes			
	Dienley	Digital Zoom	1 to 4 times continuous zoom			
	Display Functions	Multi-Image-Display	Display 9 images(replay mode)			
	Image Quality Improvement	Averaging	Off / Σ4/ Σ8/ Σ16 (with ghost rejection)			
		Edge Enhancement	Yes N/A			
	· .	Filtering	Yes		1471	
	Point Temper		1 Center Point, 5 Movable Points			
Measuring Functions		Temperature Search	MAX/MIN			
		Delta Temperature	Yes			
	Temperature Display in Assigned Region		MAX, MIN and AVG in Box (for up to 5 Boxes)			
	Line Profile		Horizontal, Vertical or Horizontal & Vertical			
ng_	Alarm function		Alarm Sound, Alarm Display, Color Alarm(ISO)			
Ë		Vibration Alarm	Yes			
ctions		Alarm Recording	Yes			
		Alarm Output	Yes			
	Temperature Correction Function Emissivity, Environment/Background, Distance, NUC					
	Emissivity		Multi-Point Correction, Emissivity Reverse Calculation, Emissivity Table			
	Storage Device		SD Card, Compatibility SDHC			
40	Data Storage		Still Image : JPEG Temperature Data Movie : SVX file (e Visual Image Simult	(14 bit), exclusive),	Still Image : JPEG with Temperature Data (14 bit), Visual Image Simultaneously Recorded	
Storage / Output		Panoramic Image	Horizontal Equivalent to 100	°, Vertical Equivalent to 75°	N/A	
ige		Movie Recording	Max 10 fps in SD Card Max 8.5 fps in SD Card N/A			
0		Interval Recording	3s to 60min, Visual Image Simultaneously Recorded			
츌		Voice Annotation	30sec Recording/Replay per Image			
7		Text Annotation	Annotate up to 128 Characters with each Thermal Image Import Characters from SD Card			
		USB2.0	Mass-Storage			
	Interface	Video output		nultaneous use with		9)
		Alarm output	Available (Contact Closure. No Voltage)			
Auxiliary Func	Graphical User Interface's Supported Language		English, French, Spanish, German, Italian, Portuguese, Russian, Finnish, Danish, Norwegian, Swedish, Dutch, Chinese (Traditional, Simplified), Korean and Japanese.			
Viea	Display		3.5" LCD Monitor (with Tilt and Brightness Adjustment Available)			
Suri.	Auxiliary Device	Laser Pointer	Yes (Class-2 Red color)			
g		LED Light	Yes			
	Environment Resistance	Operating temperature / Humidity	-15°C to 50°C, 90%RH			
		Vibration / Shock	29.4m/sec²(3G), 294m/sec²(30G)			
		EMC	Compliant to CE (Class A)			
	Dust / Splash Proof		IP54 About (hm) Pooborgooble Li log bettery			
	Battery Operation		4hours (typ), Rechargeable Li-lon battery			
Others	AC Power		100V to 220V AC, 50/60Hz			
	Power Consumption		4.3W (typ) Approx 212mm/(H) × 75mm/(M) × 129mm/(D) (evaluating projections)			
	Dimensions		Approx. 212mm(H) × 75mm(W) × 138mm(D) (excluding projections)			
	Weight		Approx. 800g (including Battery Pack)			
	Standard Accessories		AC Adapter x1, Battery Charger x1, Rechargeable Li-Ion Battery x1, SD Card x1, USB Cable x1, Wristband x1, Grip Belt x1, Software x1, Operation Manual x1, and Carrying Case x1			
	Standard Software		InfReC Analyzer NS9500LT			

*1 Operating Temperature : 0 to 40°C



[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.

PC Software

InfReC Analyzer NS9500 Lite

Thermal Image Processing and Report Generator Software Easily identifiable menu system guides you to intuitive operation

[Features]

- Easy Report Generation (MS-WORD/MS-EXCEL Format)
- •Rich Processing Functions

Fusion Display of Thermal Image / Visual Image Subtraction Function for Thermal Image

Panoramic Composite Function for Thermal Image Radiation Heat Quantity Analysis*

Length Measuring/Area Calculation Function *1 for Thermal Image

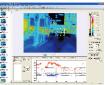
Trend Graph Display*1

Line Profile Display

Drawing Function for Designated Point / Line / BOX / Circle*1 / Polygon Shape*1

Analysis for Max./Min./Peak Temperature

- *1: Optional Software Model NS9500 Standard only
- * Compatible PC configuration, OS system and associated application software are to be consulted beforehand. Some old or new system might not be supported.



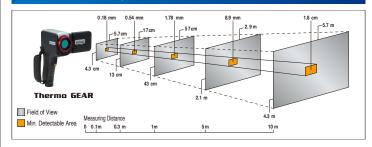




Options

Options	Model	Specifications / Remarks	
2 x Telephoto Lens	IRL-TX02A-B	16°(H) x 12°(V) 0.89mrad (f=28mm)	
Rechargeable Battery Pack	2UR18650F	2,500mAh, 4 Hours of Continuous use (typical)	
Battery Charger	NC-LSC05-110V / NC-LSC05-220V	110v or 220v	
AC Adapter	RC60G-09D-110V / RC60G-09D-220V		
LCD Hood	IRU-F01A		
Video cable	FVC-135A	3.5mm plug, 1.5m	
Tripod (small)	U9800BK		
InfReC Analyzer Standard	NS9500STD-B	PC Software	

Dimensions of Measuring Distance and Field of View (Standard 14mm Lens)



NIPPON AVIONICS 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. To find out more, visit us at : www.avio.co.jp/english/ or contact our local distribution partners.



• 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). • This 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.

Distributor: