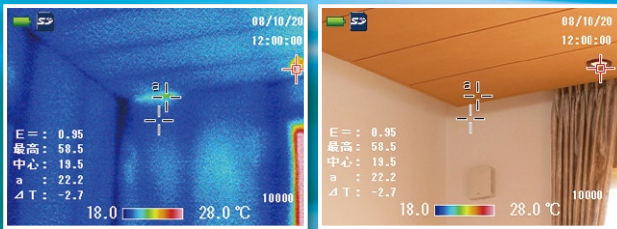


Infrared Thermal Imager

Thermo Shot

F30S / F30W / F20 **NEW**

Take thermal snapshots at every scene!
Small and light-weight as digital camera.



Thermal Image

Visible Image (Measure-on-Picture mode)
(F30 Series only)



Fits in your pocket and carries a built-in visible camera.
(F30 Series only)

Excellent portability & operability.

A new style of infrared thermal imager.

Real-Size



Fits in your pocket

Compact but reliable tool when you go out measuring. Put it in your pocket, pull out and take a shot easily.



Ultra-light 300g

Weighs only about 300g. Designed like a digital camera and come in handy at many measurement needs.



User-friendly operation

Intuitive operation with clear-cut icons. Thermal imaging as easy as ABC even without a manual.



Focus free

No focusing is needed at distance of 1.3m or farther. Even entry-level users can obtain quality images.



Visible camera mounted (F30 Series only)

Capable to capture both thermal and visible images simultaneously. Easy report creation is possible with visible images of objects.



Saves analyzable JPEG data

You can open captured images by general application softwares. Post-measurement analysis is also available.



Minimum focal length of 10cm

Focuses as close as 10cm. You can easily get thermal images of small parts.



Uses AA-sized rechargeable battery

Uses AA-sized rechargeable batteries which are easily available. AA-sized alkaline battery can also be used in an emergency.



Hot shoe for expanding feature

Allows to add an external finder, LED light or other camera accessories from the marketplace.

Specifications

Model	F30S	F30W	F20		
Basic Specifications	Measuring Range	-20 to 100°C	-20 to 350°C		
	Resolution	0.1°C (at 30°C)	0.2°C/ 0.1°C (S/N improvement) (at 30°C)		
	Infrared Detector	Uncooled focal plane array (microbolometer)			
	Spectral Range	8 to 13µm			
	Frame Time	8.5 frames/sec			
	Thermal Image Pixels	160 (H) x 120 (V) pixels			
	Field of View	28°(H) x 21°(V)			
	I.F.O.V.	3.1mrad			
	Focusing Range	10cm to infinity (Temp accuracy not assured at 50cm or closer.)			
	Focus	Manual (at 1.3m or over: Focus-free)			
	Accuracy	±2°C or ±2% whichever is greater			
	Measuring Functions	Visible Light Camera	1.3M pixels	N/A	
		Measure-on-Picture	Provided	N/A	
Point Values		Center, max/min, movable (1 point), ΔT			
Emissivity Correction		Provided			
Background Compensation		Provided			
Isothermal		Provided			
Alarm		Display alarm, color alarm			
Image Improvement		Provided			
Color Palette		3 types (rainbow, iris, brightness)			
Image Display		Monitor	2.7" LCD		
Image Storage	Format	JPEG with data (for post analysis & temp scale change)			
	Storage Medium	SD card			
	Thumbnail Display	9 images			
Interface	USB 2.0	Provided			
	Video Output	NTSC / PAL			
Power Supply	Batteries	Rechargeable NiMH batteries (3 pcs)			
	AC Power	Available			
	Sleep Mode	Provided			
	Automatic Shutoff	Provided			
Environmental Specifications	Operating Temperature	-15 to 50°C			
	Protection	IP43			
	Dimensions	Approx. 100 x 65 x 45mm			
	Weight	Approx. 300g (including 3 batteries)			

★Company names, merchandise name listed on this brochure are brand or trade mark of each company.

★Listed specifications/Design, etc. may be subjected to change for improvement without notice. Printed color images may differ slightly from actual product color image.

Main Frame

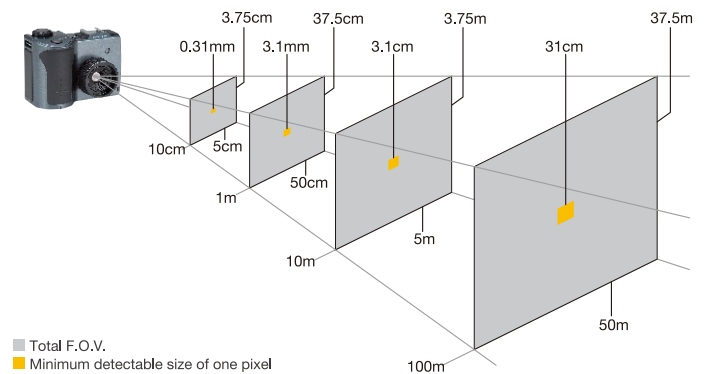
dark gray

Standard Accessories

- AC adapter
- Battery charger
- Rechargeable NiMH batteries (3)
- SD card (1GB)
- USB cable
- Hand strap
- Soft case
- Software (NS9500LT)
- Operation manual
- Warranty certificate

Options

- Video cable
- Analysis software
- Tripod

Measurement distance and F.O.V.

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. To find out more, visit us at: www.nec-avio.co.jp/en/ or contact our local distribution partners.

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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: