

NEW

NEC

Infrared Thermal Imager

Thermo Shot F30 Series

Small and light as a digital camera.
Excellent portability & operability.

NEC Avio presents you a new style of
thermal imaging.



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

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.



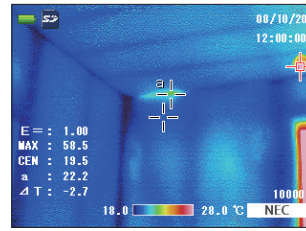
NEC Avio Infrared Technologies Co., Ltd.

Specifications

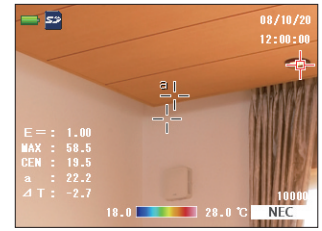
Model		F30W	F30S	
Basic Specifications	Measuring Range	-20 to 350°C	-20 to 100°C	
	Resolution	0.2°C/0.1°C (S/N improvement)	0.1°C	
	Infrared Detector	Uncooled focal plane array (microbolometer)		
	Spectral Range	8 to 13µm		
	Frame Time	8.5 frames/sec		
	Thermal Image Pixels	160 (H) x 120 (V) pixels		
	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	Approx. 0.7M pixels	
		Point Values	Center, max/min, movable (1 point), ΔT	
		Emissivity Correction	Provided	
Background Compensation		Provided		
Isotherm		Provided		
Alarm		Display alarm, color alarm		
Image Improvement		Provided		
Color Palette		3 types available		
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	Provided		
Power Supply	Batteries	Rechargeable NiMH batteries (3 pcs)		
	AC Power	Provided		
	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)			

**Specifications are subject to change without prior notice.
**Described company name and model are brand name or registration of trademark.

Images



Thermal Image



Visible Image (measure on picture mode)

Main Frame



Front



Back

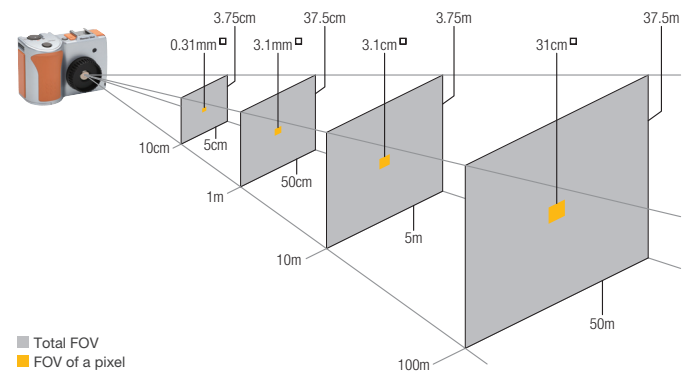
Standard Accessories

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

Options

- Video cable
- Analysis software
- Tripod

Measurement distance and FOV



NEC Avio Infrared Technologies Co., Ltd.

1-5, Nishi-Gotanda 8-chome, Shinagawa-ku, Tokyo 141-8535 Japan
 Phone: +81-3-5436-1614 Fax: +81-3-5436-1395
 Email: osd@nec-avio.co.jp Web: www.nec-avio.co.jp/en/

North America: NEC Electronics America, Inc.

Display Business Unit
 2880 Scott Blvd., M/S SC1300, Santa Clara, CA 95050, USA
 Phone: +1-408-588-6554 Fax: +1-408-588-6272
 Email: osd@nec-avio.co.jp

Europe: NEC Electronics (Europe) GmbH

Industrial Business Group, Infrared Module Product Unit
 Arcadiastrasse 10, D-40472 Duesseldorf, Germany
 Phone: +49-211-6503-1501 Fax: +49-211-6503-1344
 Email: osd@nec-avio.co.jp



CAUTION FOR SAFETY

- Please read "WARNING" & "CAUTION" in the operation manual attached to the product carefully for proper operation before using the product.
- Infrared sensor module is controlled by the export law. When you reexport this product from your country, the export license of your country is required.

Distributor:

M E T R U M

INFORMATION STORAGE

Metrum Information Storage Ltd

**The Stables, The Grange Centre, 24 Barkham Ride,
 Finchampstead, Berkshire RG40 4EU**

Tel: +44 (0)118 9733000 Fax: +44 (0)118 9734363

E-mail: enquiries@metrum.co.uk www.metrum.co.uk