

**NEW**

Infrared Thermal Imager

## **Thermo Shot** F30 Series

**NEC**

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 software. 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

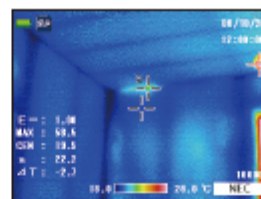
Allows to add an external finder, LED light or other camera accessories from the marketplace.

### Specifications

Model		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

