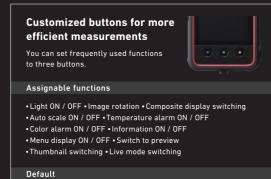
#### Thermo FLEX F50



#### Customize button



•Blue: LED light ON / OFF • Green: Auto scale • Yellow: image rotation

Infrared Thermal Imaging Camera InfReC F50 series: Specification BAS: Basic, STD: Standard, ONL: Online					
			Online model		
			F50A-ONL	F50B-ONL	
	Field of View*1		35°×35°	70°×70°	
Basic Performance	Spatial Resolution		2.8mrad	5.3mrad	
	Focal Distance		30cm to infinity*2	10cm to infinity*3	
	Focus		Focus Free		
	Infrared Detector		Uncooled Focal Plane Array (Microbolometer)		
	Spectral Range		8 to 14um		
	Recording Pixels		2 (0 × 240 pixels		
	Frame Rate		7.5Hz		
	Measuring Range		-20°C to 350°C*4		
	Sensitivity (NETD)		0.05°C at 30°C		
	Accuracy		±2°C or ±2% (Indicated Value)*5		
lmage Display	Auto Function		Auto Scale Auto MAX / Auto point		
	Color Pallets		7 pallets (Olive, Rainbow, Prightness, Hot-white, Hot-black, etc.)		
	Gradation		256 / 128 / 64 / 16 grade		
	Visible Camera		CMOS camera 720-730.5M pixels		
	Visible/Thermal Fusion		Picture-In-Picture (with trimming function), Blending (transparency changeable, size & position adjustable)		
	Display Functions		1 to 4 times continuous digital zoom (Thermal, Visible, Fusion)		
Measuring Functions	Alarm Function		Alarm Display, Alarm Sound, Color Alarm		
			Alarm Recording		
	Temperature Correction		Emissivity (Full image, Multi-point), Environmental/Background, Emissivity Table		
	Point Temperature		5 Movable Points, Temperature Search:MAX/MIN x1 each		
	Temperature Display in Assigned Region		BOX × 1 (MAX, MIN and AVG in Box)		
	Line Profile		Line × 1		
	Delta Temp		Delta T × 1		
Storage & Output	Storage Device		micro-SD Card, Conforms to SDHC		
	Data Storage	Data Form	Still Image: JPEG*6 with temperature data (14 bit) Recorded with Visible Image		
		Continuous Recording	Max 7.5Hz (Up to 10 sec.)		
		Interval Recording	3 sec to 60 min interval, with Visible Image recorded		
		Trend Graph	csv format		
		Line Profile	csv format		
		Voice Recording	30 sec Recording, replay per a Thermal image		
		Text Annotation	Annotate up to 128 Characters per a Thermal Image. Characters imported from SD Card		
	Interface	File Transfer	USB2.0	(MTP)	
		Real Time Transfer	USB2.0 Image transfer (Thermal Image with visible	image. Maximum transfer speed 7.5 Hz)** <sup>7</sup>	
Others	Display		4.8 inch HD (720 × 1280 pixels), Touch Panel		
	Auxiliary		LED Light (equipped Camera Unit)		
	Environment Resistance	Operating Temperature & Humidity	Camera Unit : -20°C to 70°C, 90%RH (non-condensing)*8 /	Controller Unit : -20°C to 50°C, 90%RH (non-condensing)	
		Storage Temperature & Humidity	Camera Unit : -40°C to 60°C, 90%RH (non-condensing) / C	ontroller Unit : -40°C to 60°C, 90%RH (non-condensing)	
		Drop, Vibration & Shock	Engineered to withstand 1m drop	o, 29.4m/s² (3G), 294m/s² (30G)	
		Dust & splash proof	Protection class I	P54 equivalent	
		EMC	Conforms to CE reg	ulations (Class A)	
	Power	Battery	Lithium-ion (built-in) ,Battery Operation: 4	hours (Typ.) (with power saving mode)	
	Supply	AC Adapter	100V - 240V AC,50/60Hz (AC Adapte	r by USB cable, micro B connector)	
	Dimensions		Camera Unit : Approx. 30mm×40mm×130mm (excluding projection and cable) / Controller Unit : Approx. 169mm(H)×92mm(W)×24.5mm(D)(excluding projection and cable)		
	Weight		Camera unit : Approx. 100g / Controller unit : Approx. 400g (excluding cable)		
	Accessory		Carrying case, micro SD Card, micro SD Card Adapter, USB AC Adapter, micro USB cable (for power feeding and connection),		
			Neck Strap, Operation Manual, Software(NS9500LT)		



Sales Department Sensing Solution Division

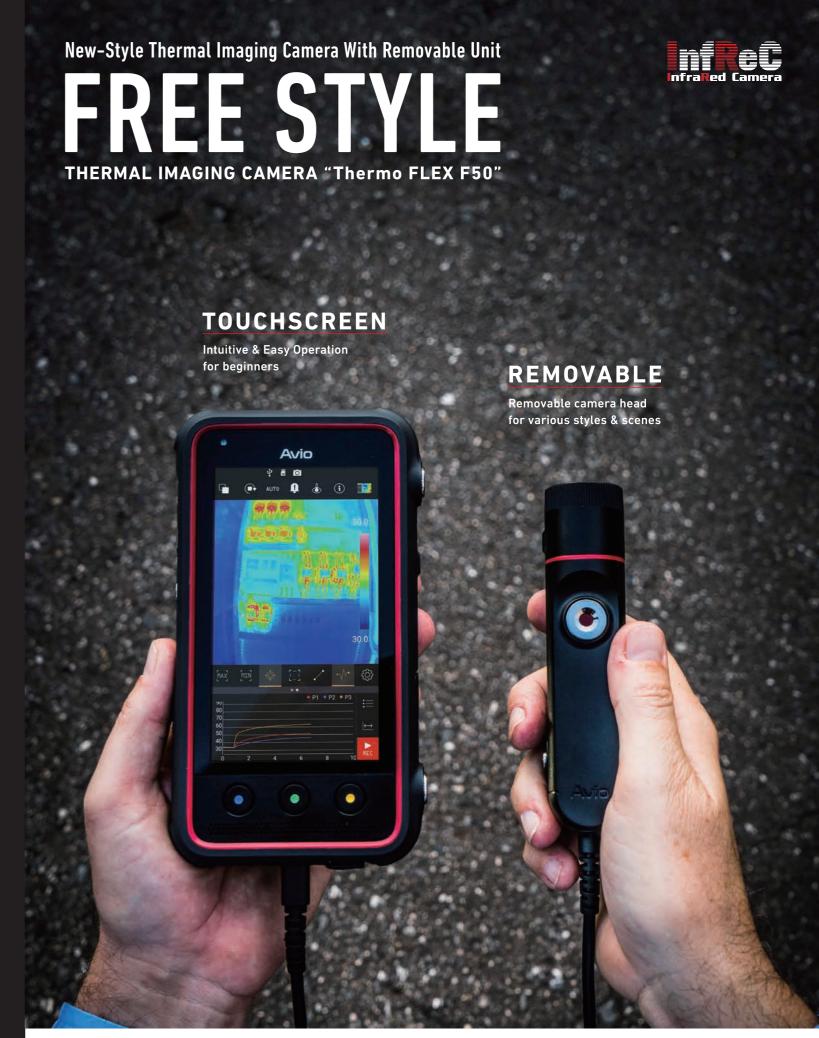
Shimamura-Building, 4475, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, 224-0053, Japan TEL: +81-45-287-0303 FAX: +81-45-287-0307 E-mail: product-irc-e@ml.avio.co.jp



## **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:





THERMAL IMAGING CAMERA "Thermo FLEX F50"

THERMAL IMAGING CAMERA "Thermo FLEX F50"

THERMAL IMAGING CAMERA "Thermo FLEX F50"



# "Free Style" thermal imaging camera offers various camera styles

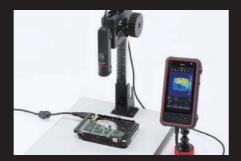
A new style of thermal imaging camera "Thermo FLEX F50" has a removable camera-head and controller. You can take various measurement styles in a wide variety of measurement scenes!



Rotation Style: Camera-head can be tilted and can be mounted on the both joint of controller.



Separation Style: Removed camera-head from controller. Camera-head can be freely operated.



The camera-head and controller can be mounted on tripod by screw.

## "Look Up", "Look Down", "Turn Around", "Attach On", "Put In" — Shoot Freely in Any Styles!

Efficient measurement is possible even in the place such as narrow space and inside a device, etc.



Rotating camera-head by tilting sense provides you comfortable shooting without facing upward to the high angle.

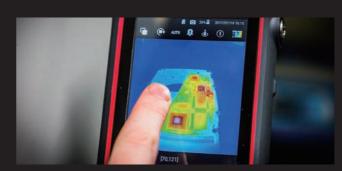


You can shoot from any angle comfortably by the removable camera-head while watching the controller.



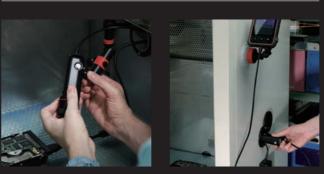
The camera-head can be attached to a helmet with a sense of wearable or the controller, and can be attached to a pole as camera stick.

# Easy Touch Operation even Beginners



The function such as "Temperature Scale Setting" and "Point Measurement" by touch operation are equipped. Intuitive operation makes the thermal measurement easy and efficient.

## Up to 70°C heat-resistant camera-head



The small camera-head can be put into a device such as thermostatic chambers. You can operate remotely by touchscreen of the external controller while checking the measurement status.

# Easy Hardware Key Operation even wearing gloves



Frequent operation such as "Temperature Scale Setting" and "Recording" can be performed by hardware key. Comfortable one-hand measurement is possible even wearing gloves.

## Attachable camera to tripod and wall



The camera-head and controller can be mounted on a tripod or fixed on a wall for stable and easy measurement. The camera can be supported various usages with many combinations of commercial accessories freely.