

**NEW**

**INPROTEG IRT**

**InfReC**  
InfraRed Camera

**Fixed Mount Type Thermal Imaging Camera**

High Performance, High Image Quality for Network Solutions

**InfReC T5600series**

## Various solutions for monitoring/ surveillance systems

Suitable design for contributing to various applications,  
monitoring process control or surveillance with  
adoption of general purpose protocol.

**High  
Sensitivity**

**High  
Accuracy**

**High  
Temperature  
Range**

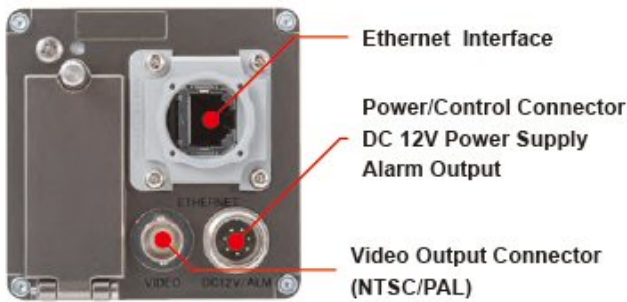


**NIPPON AVIONICS CO.,LTD.**

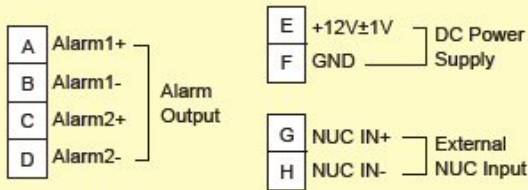
An NEC Group Company



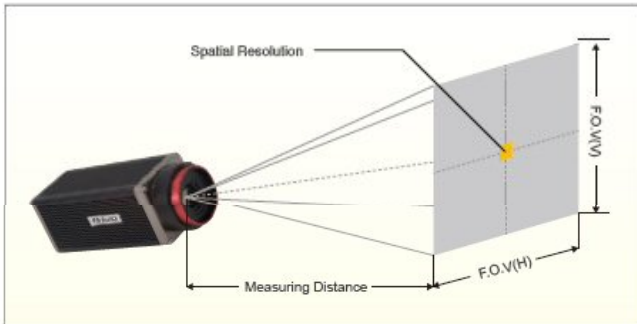
## Interface



### Pin Assignment of Power / Alarm Contact Connector (Round Connector Tajimi R04-R8M)



## Measuring Distance and Field of View



	Measuring Distance (m)	Field of View(H) (m)	Field of View(V) (m)	Minimum Detectable size (mm)
TS610/TS610-D 37.5°(H)×28.1°(V)	10	6.4	4.8	10
TS620/TS620-D 71.2°(H)×53.4°(V)	10	14.1	10.6	22
TS630/TS630-D 90.2°(H)×67.7°(V)	10	19.8	14.9	31

\*Typical data

■ 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.

## Specification

### TS600 series

Type	TS610	TS610-D	TS620	TS620-D	TS630	TS630-D
Frame Rate	30Hz	7.5Hz	30Hz	7.5Hz	30Hz	7.5Hz
Field of View	37.5° × 28.1°		71.2° × 53.4°		90.2° × 67.7°	
Spatial Resolution	1.0mrad		2.2mrad		3.1mrad	

### Specification

Basic Performance	Infrared Detector	UFFA(Microbolometer)	
	Spectral Range	8 to 14um	
	Measuring Range	-40°C to 1500°C	
	Sensitivity(NETD)	0.03°C at 25°C(with S/N improvement)	
	Accuracy	±2°C or ±2%(Range1,2)	
Image Display	Detector Pixels	640(H)×480(V) pixels	
	Focus	Pan-focus	
	Auto Function	Auto Scale	
Measuring Function	Color Palettes	7 Palettes(Rainbow,Brightness,Hot-white,Hot-black,etc)	
	Image Quality Improvement	Denoising,Averaging(OFF / Low / Middle / High, with ghost rejection),Edge enhancement	
	Point Temperature	10 Movable Points, Temperature Tracking,MAX/MIN ×1 each,Delta T	
	Temperature Display in Assigned Area	5 Boxes	
	Line Profile	Horizontal,Vertical,Horizontal & Vertical	
Interface	Alarm Function	Alarm Display,Color Alarm,Alarm Signal Output 32 Arbitrary shape areas(by using Remote Program)	
	Temperature Correction	Emissivity,Multi-point Emissivity, Environmental / Background,Distance,NUC	
	Ethernet	Protocol	100/10BASE-T (RJ-45) Modbus, ONVIF, TS Protocol
		Video output	NTSC or PAL (BNC)
	Alarm Output	Non-voltage contact	
External NUC Input	1ch		
Other	Operating Temperature & Humidity	-15°C to 50°C, 90%RH (non-condensing)	
	Storage Temperature & Humidity	-40°C to 70°C, 90%RH (non-condensing)	
	AC Power	DC 12V ±1V	
	Power Consumption	8W(Typ)	
	Dimensions	Approx. 68mm(H)×68mm(W)×175mm(D)	
	Weight	Approx. 800g	
	Vibration / Shock	19.6m/s²(2G), 147m/s²(15G)	
Dust / Splash Proof	Protection class IP54 equivalent		
Standard attachment	CD-ROM(Manual,Remote Program,NS9500LT,SDK)		

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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.

Per maggiori informazioni contattare:

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