JNC IoT Thermo Camera

ITC

[Features]

ITC-N-N / ITC-4G-N



- Thermal imaging sensor + dual visible-light lens design, providing both temperature information and clear images simultaneously.
- IP67 protection rating, suitable for various outdoor environments.
- Supports real-time thermal imaging display and playback, with configurable playback time and adjustable settings based on hard disk capacity.
- Supports simultaneous management of standard CCTV images and thermal imaging views.
- Thermal images can be automatically converted into data, recording average, maximum, and minimum temperatures.
- Supports temperature trend analysis, allowing historical data review and abnormal condition comparison and tracking.
- Equipped with intelligent alarm functionality, capable of automatically sending alerts for abnormal temperatures via JNC Notify, Email, and other channels.

ITC-4GPC-N



[Optional Code]

ITC – Code 1 – Code 2

Code 1	Communication	Code 2	Callback function
N	Ethernet (WEE)	N	Live images
4G	Includes a 4G router (requires a SIM card with a fixed IP)	7D	7-day record with playback capability
4GPC	Includes a 4G router, mini PC, and HUB (can use a SIM card with a dynamic IP)		

※Must be used in conjunction with WEE and JNC SCADA.

[Specification]

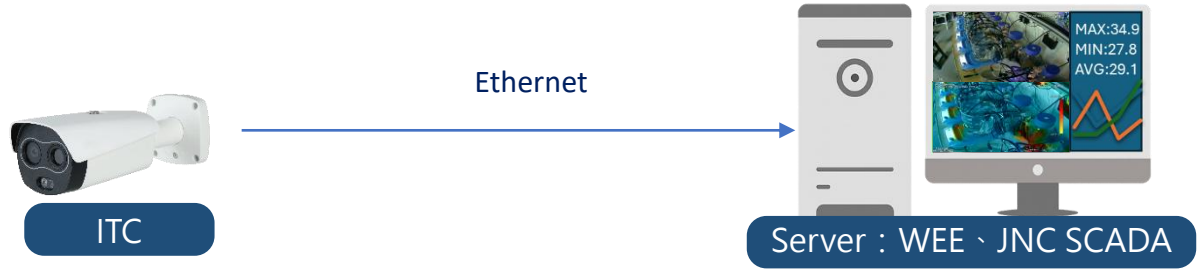
Power Supply	DC 12V / 1.2A (Max. 8.5W) PoE (Max. 10W)		
Operating Temperature & Humidity	-20~+60 ℃ / ≦95%		
Effective Pixels	Thermal Imaging: 1 MP, 1280 × 960 Visible Light: 4 MP, 2336 × 1752		
Minimum Illumination	0.05 Lux (Color) 0.005 Lux (Black & White) 0 Lux (Infrared On)		
Infrared	1 unit, maximum illumination distance 30 meters		
Focal Length	Thermal Imaging: 3.5 mm / 7 mm / 10 mm Visible Light: 4 mm / 8 mm / 12 mm (fixed lens)		
Detectable Temperature	-20℃ to 400℃, temperature measurement distance 5 meters	Accuracy	Maximum (±2 °C)
Perimeter Protection	Hotspot tracking with over-temperature alarm		
Waterproof Rating	IP67		
Camera Dimensions	Length 205.5 mm × Width 90.4 mm × Height 90.1 mm		
Alarm Output	Dry contact ×2, requires connection to a relay		

	ITC-N-N	ITC-4G-N
Enclosure Dimensions	252 x 175 x 60 (W×H×D)	300 x 300 x 150 (W×H×D)

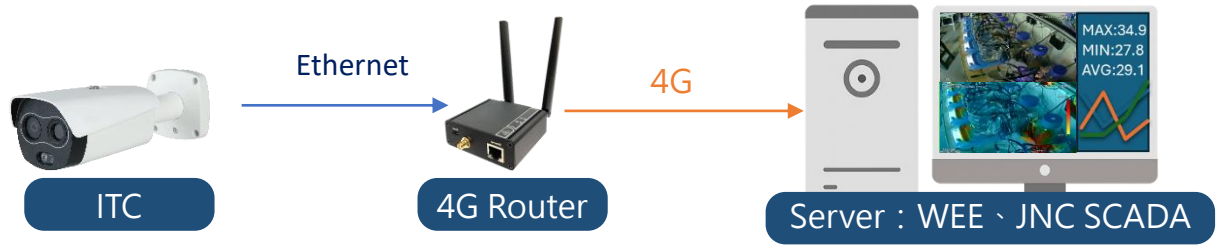
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[Architecture diagram]

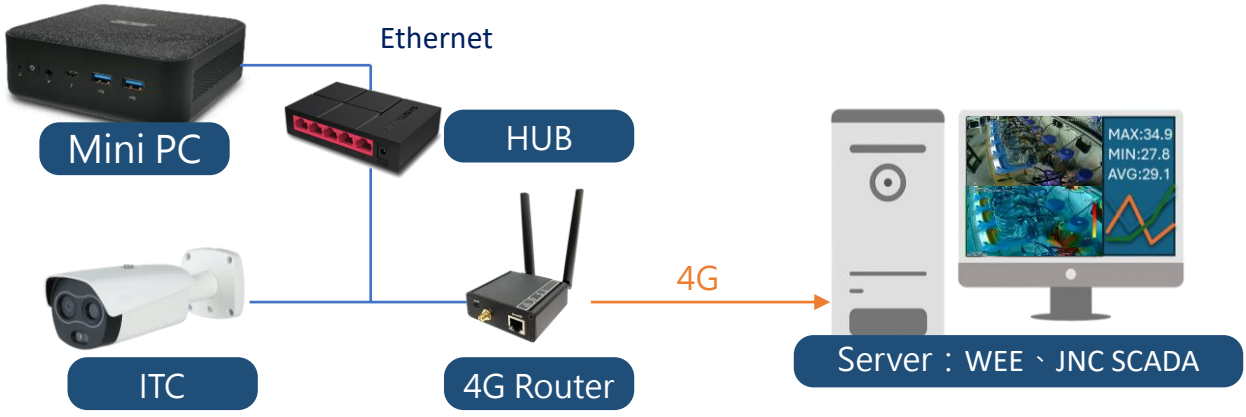
ITC-N-N：Suitable for sites with existing Ethernet, ensuring stable connection to the server



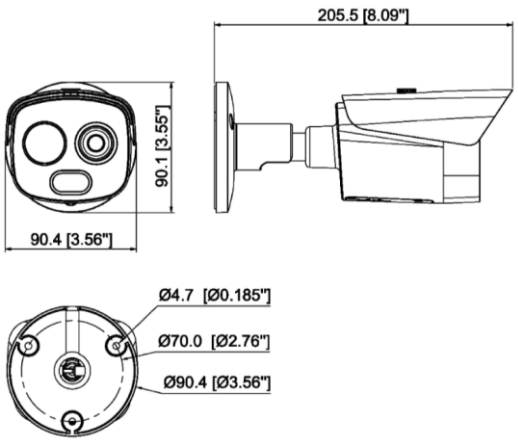
ITC-4G-N：Suitable for network-free environments but requires a SIM card with a fixed IP



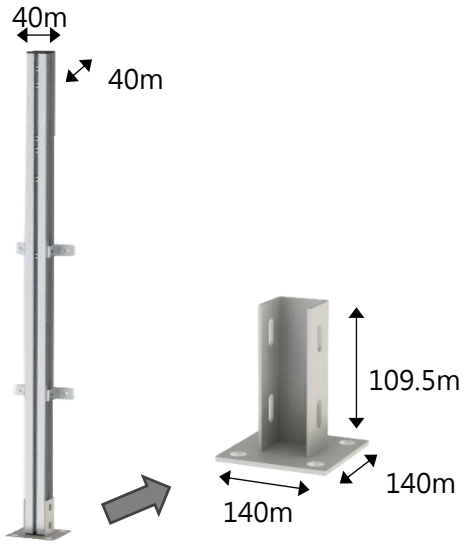
ITC-4GPC-N： Suitable for network-free environments, automatically connecting to the server via 4G (operating temperature 0–40°C)



[Camera Dimension Diagram] Unit:mm



[Aluminum Extrusion Tower Mount Dimension Diagram](Optional)



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