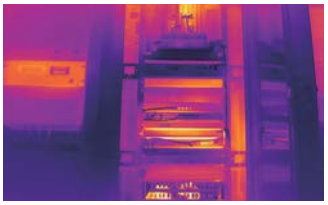
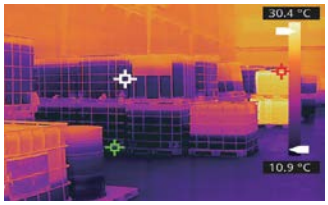
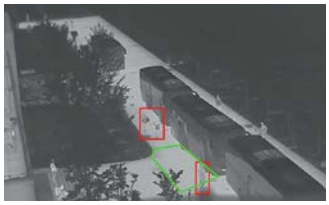
Rhodium
Professional Video Solution

RTBU-FB465-T-19mm

Dual-Spectrum Thermal Network Camera

RTBU-FB225 Series dual-spectrum thermal network camera equipped with the advanced thermal detectors and high-resolution visible module. Based on the AI algorithm, the camera is able to detect line crossing, intrusion and region entrance/exit and various measurement rules can be set. RTBU-FB225 Series could be used for perimeter defense, fire prevention in warehouse or gas station, or industrial temperature measurement.



12μm VOx Uncooled Detector

Equipped with new generation QSnet® 12μm uncooled Vox detector to provide advanced thermal image quality

Dual-Spectrum Image

Visible light image & thermal image for 24-hours surveillance

High Accuracy

-20°~+550° measure range, ±2° accuracy with various measurement rules

Smart Video Analysis

Supports Line Crossing, Intrusion on both visible/thermal channel, supports fire point detection

Smart Alarm

Supports event linkage alarm, supports sound or light alarm

High Compatibility

Provides NVR and VMS client, compatible with ONVIF, GB28181 protocols, provides SDK for development

Product Specifications

Technical Specifications	RTBU-FB465-T-19mm		
	Thermal		
Detector Type	VOx, uncooled FPA detectors		
Spectral Range	8～14μm		
NETD	≤40mK(@25°C,F#1.0,25Hz)		
Resolution	256×192		
Pixel size	12μm		
Focal length	3.2mm	7mm	10mm
	Visible light		
Sensor	5MP 1/2.8" CMOS		
Focal length	4mm	8mm	12mm
FOV	82°×59°	39°×29°	25°×18°
IR distance	Max. 30m		
	Dual-spectrum		
Dual-Spectrum Fusion	Display the details of visible channel on thermal channel		
Temperature display	Display the temperature information on the visible light channel		
	Temperature measurement		
Range	-20° ～ +550°		
Accuracy	±2° or ±2%		
Measurement rules	3 rule types (point, area, line), 36 rules in total (12 points, 12 areas, and 12 line).		
	Smart function		
Fire detection	Support fire detection		
VCA	Line Crossing/Intrusion detection		
Alarm action	Record/Snapshot/E-mail/Relay output		
Two-way talk	Support two-way talk		
	System interfaces		
Power	DC 12V±25% / PoE(802.3af)		
Network	1×RJ45 10M/100M self-adaptive interface		
RS485	1×RS485, support Pelco		
Audio input	1×audio in		
Audio output	1×audio out, 1×built-in Speaker		
Alarm input	2×DC 0～5V alarm input		
Alarm output	1×NO relay output		
Edge storage	Support Micro SD (max. 256G)		
Reset button	Support		
	General		
Work temperature	-40° ～ +70°；<95%RH		
Protection	IP67		
Power consumption	Max.< 3W		
Dimension (mm)	265×99×87		
Weight	≈950g		

Application

Perimeter defense

Fire prevention

Electrical equipment inspection

Building security