

YRH-650

Industrial Mining IR Camera



SATIR YRH650 is a professional infrared camera specifically designed for the coal mining industry. The housing of the YRH650 is made by reinforced industrial strength plastic which strengthens the ex-proof ability of the camera, but keep it lightweight. Internal PCBS have gone through insulation processing.

Special ex-proof batteries are provided to make sure the YRH650 strictly complies with the requirements for coal-mining.

As the applications for thermal cameras increase the need for Ex-Proof cameras is also on the rise for hazardous and dangerous areas.



Key Features

- 384x288 UFPA
- Multiple Analysis Tools & Functions
- -20°C~650°C Temperature Range
- Easy to Use
- ATEX Certification



YRH-650 Specifications

Thermal Camera	
Detector type & Resolution	384x288 UFPA
Thermal sensitivity	≤50mk@30°C
Spatial resolution	2.6 mrad
F.O.V	48°x36°
Min. Focus distance	0.5m
Spectral range	7.5μm~14μm
Focus	Manual
Visible Light	Built-in Visible Light Camera
Image presentation	
Display Size	3.5 inch LCD
Image Display	Colour Bar, Various options available
Storage	Removable Mini SD Card, supports up to 2GB
Storage Type	Infrared image with 14-bit temperature data and associated visible image. Infrared and visible video in MP4 format.
Temperature measurement	
Measurement range	-20°C~650°C
Accuracy	±2°C or 2% of readings
Analysis Function	
Spot	Simultaneous measurement of 8 points
Area	Simultaneous measurement of 2 areas
Auto-Capture	Automatic full screen capture of the highest or lowest temperature point
Temperature Alarms	Alarm can be set above, equal to, or below a certain temperature
Image Adjustment	Automatic adjustment of image contrast and brightness
Calibration	Emissivity/Distance/Ambient Temperature/Relative Humidity/Reflected Temperature/Corrected Temperature
Battery System	
Battery Type	Rechargeable Explosion-Proof Lithium Battery
Battery Operating Time	≥2 Hours
Power Supply Adapter	DC 8-12V, 3A
Environment specification	
Storage Temperature Range	-40°C to +70°C
Operating temperature range	-0°C~+50°C
Humidity	≤95% non-condensing
Shock Resistance	30G
Vibration Resistance	2G
Physical characteristic	
Weight	750g
Camera Size (LxWxH)	≤218x213x97mm
Triangle Bracket	1/4" _20
Lasers	Yes
Illuminated	Lamp