



Rhodium  
Professional Video Solution

by

LeadEx  
Security Surveillance Solutions

## TM50H-EX Camera Series

Fix Explosion Proof  
Thermal Camera



- ▶ 304 stainless steel surface treated with fluorine-carbon spray
- ▶ Elegant structure, explosion-proof, dust-proof, water-proof, rust-proof
- ▶ Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%
- ▶ Invisible wiper, non-stick water, non-stick oil, dust-proof.

### Application Environments

Applicable for the factories having the explosive mixtures formed from class IIA, IIB and IIC T1-T6 group flammable gas, steam with air in area No.1, No.2, and appearing the explosive hazardous area due to the mixture of flammable dust and air in area No.20, No.21 and No.22, such as oil field, chemical plant, port, oil storage, steamship, oil drilling platform, gas stations, coal mine, aviation, military, medicine, steel, firecrackers production, machinery, food processing and storage and so on.

### Thermal System

Resolution	640*512 pixel
Pixel pitch	17 $\mu$ m
NETD	< 35mk(@25°C, F#=1.0)
Digital Zoom	8 X
FOV	12.4 ° x9.9 °
Focal length	50mm
F value	1

## Certificate of Conformity

Marking: Exd II CT6 / DIP A20 TA,T6

## Mechanical features

- ▶ Material: 304 Stainless steel
- ▶ Surface treatment: Fluorine-carbon spray processing
- ▶ Ingress Protection: IP68
- ▶ Interface spec: G-3/4"
- ▶ Method of installation: wall mounting

## Electrical features

- ▶ Input voltage: 220VAC/24VAC/12VDC, According to the power supply requirements of camera
- ▶ Working current: According to the power supply requirements of camera

## Environmental

- ▶ Rated Temperature:  $-45^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- ▶ Atmospheric Pressure: 86~106kpa
- ▶ Relative Humidity:  $\leq 95\% \text{RH} (\pm 25^{\circ}\text{C})$

## Image Reference

### Thermal Imager Reference.



Thermal Imager Reference.



Thermal Imager Reference.

