

# RADIX 300



FIXED-MOUNT  
DUAL VISION  
THERMAL  
NETWORKING  
CAMERA

Designed for 24/7 monitoring of all your critical equipment and other valuable assets. It helps you see problems before they become costly failures, preventing downtime, and enhancing worker safety. Ideal for Process Control and Monitoring, Quality Assurance, Condition Monitoring, and Early Fire Detection.

## Features

- Multi-zone temperature measurement areas
- Independent temperature measurement on the front-end platform
- Supports Early Fire Detection and Intrusion Alarms
- IP66 housing protects cameras from heat, cold, dusty, or wet environments



POWER INTELLIGENCE

## SPECIFICATIONS

Thermal Camera	Sensor Type	Uncooled Microbolometer Detectors
	Resolution	384 x 288
	Pixel Size	17µm
	Response Waveband	7.5-13.5 µm
	NETD	< 50mk (@25°C, F#=1.0)
	Focal Length	13 mm/9.7 mm
	FOV	13 mm: 28.8° × 21.6° 9.7 / 9.7 mm: 37.9° × 28.7°
	Focus	Fixed focus
Palette	18 adjustable color palettes: Iron red, rainbow, white heat, black heat, etc.	
Visual Camera	Resolution	1920 x 1080
	Focal Length	6mm
	White Balance	Supported
	Day and Night Modes	Supported
	Digital Noise Reduction	Supported
	IR Illumination	Distances up to 30m
Network	Network Protocol	ICMP, TCP, UDP, RTP, RTSP, DHCP, PPPOE, UPNP, DDNS, ONVIF, 802.1x, FTP, HTTP
	Simultaneous Live View	UP to 6
	User Rights	Three levels of user rights: administrator, advanced operator
	Security Measures	User authentication (ID and PW)
	Video Compression	H.264/H.265
	Audio Compression	Audio G.711u/Intercom G.722
	Mainstream	Optical: 1080p/720P with 30fps Thermal: 384 × 288, 25fps
Sub stream	Optical: D1/CIF 30fps can be set. Thermal: 384 × 288, 25fps	
Smart Functions	Fire Detection	Supported
	Temperature Measurement	4 temperature rule types (above high, below low, in between, out of range)
	Temperature Range	Temperature range -20°C to 550°C
	Temperature Accuracy	Temperature accuracy: ±2°C or ±2%, whichever is greater
	Perimeter Detection	Intrusion, line crossing, region entrance, region exiting
System Integration	Audio Input	1 Channel
	Audio Output	1 Channel
	Communication Interface	17µm
	Alarm Input	1 Channel
	Alarm Output	1 Channel
	Analog Video Output	PAL/NTSC/BNC
	Built-in Onboard Storage	Optional
General	Working Temperature	-40°C - 70°C
	Working Humidity	≤95% non-condensation
	IP Rating	IP66
	Power Supply	DC12V
	Power Consumption	≤10W /25W (with heater)
	Dimensions	7.9 x 4.5 x 3.6 inch (201 x 114 x 92 mm)
	Weight	≤3.6 lbs. (1.6 kg)