

# Heavy-Duty Thermal PTZ Security Camera

This heavy-duty PTZ camera is designed with a worm gear drive and can load up to 50KG. It features 360°horizontal rotation and -70°- +40°vertical rotation, with DC48V power inputs and IP66 protection.



## Overview

### Heavy-Duty Thermal Surveillance Solution

This high-performance PTZ security camera is engineered for demanding surveillance environments, featuring a dual-system design with both thermal and visual imaging. With a robust 50kg load capacity and a precision worm gear drive, it provides reliable, long-range detection for critical infrastructure and perimeter security. The system ensures accurate, synchronized monitoring with high-sensitivity sensors and flexible zoom options to meet diverse operational requirements.

## Imaging Performance

Visual Sensor	1/2.8" 2 Megapixel CMOS
Optical Zoom	42X (Optional: 35X/50X/86X/88X)
Thermal Sensor Resolution	640 x 480 (Uncooled)

## Mechanical & Motion

### Rotation Speed Specifications

Axis	Servo Speed	Step Speed
Horizontal	0.01° - 100°/s	0.01° - 30°/s
Vertical	0.01° - 60°/s	0.01° - 20°/s

Horizontal Rotation	360° continuous
Vertical Rotation	-70° to +40°
Positioning Accuracy	0.01 deg
Load Capacity	50 kg

## Operational Features

Protection Class	IP66
Core Capabilities	Worm gear drive, Long-focus speed limit, Laser lamp control, Synchronized field of view

## Electrical

Power Input	DC48V
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