

## Thermal PTZ Dome Camera

EOS-789-TH650B40

This camera combines infrared illumination with Starlight technology, making it the ideal solution for applications in low-light conditions or in the dark. Featuring a powerful optical zoom and precise pan, tilt and zoom performance, it offers an all-in-one solution for long-range outdoor video surveillance.



- 4 MP (2540 × 1440), 40x optical zoom
- 1/1.8-inch progressive scan CMOS sensor
- 640×512 thermal camera, 50 mm
- IR range of 150 metres
- ONVIF support
- ONVIF-compatible, SDK available
- Automatic rain sensor
- Closed-loop pan/tilt system, positioning accuracy positioning accuracy of up to 0.05°
- Support for H.265/H.264 video compression
- IP66 waterproof rating





## EOS-789-TH650B40 Thermal PTZ Dome

### ■ Features

#### Camera

Image sensor	1/1.8-inch progressive scan CMOS
Effective pixels	2560 (H) × 1440 (V), 4 MP
Minimum illumination	Colour: 0.0005Lux@F1.35; B&W: 0.0001Lux@F1.35 (IR enabled)
Shutter	1/25 to 1/100.00 s
Aperture	DC drive
Day and night	ICR filter

#### Lens

Focal length	6.4 mm–256 mm, 40x optical zoom
Aperture range	F1.35–F4.6
Field of view	61.28°–2.06° (wide angle–telephoto)
Working distance	100 mm–1,500 mm (wide-angle–telephoto)
Zoom speed	Approx. 4.5 s (optical lens, wide-angle–telephoto)

#### Thermal imaging

Detector	Uncooled amorphous silicon FPA
Matrix format/pixel pitch	640 × 512 / 12 μm
Frame rate	50 Hz
Response spectra	8 to 14 μm
NETD	≤ 50 mK at 25 °C, F#1.0
Lens	50 mm
Field of view	8.8° × 7.0°
Digital zoom	Continuous zoom 1.0–8.0× (in 0.1 steps), zoom on any area
Brightness and contrast	Manual/Auto0/Auto1
Polarity	Warm black / Warm white
Palette	Support

#### PTZ

Rotation range	360° continuous (closed-loop control system)
Rotation speed	0.05°–200°/s
Tilt range	-27° to 90° (closed-loop control system)
Tilt speed	0.05°–120°/s
Number of presets	255
Patrols	6 patrols, up to 18 presets per patrol
Model	4, with a total recording time of at least 10 minutes
Power failure recovery	Support
Closed-loop system	Support

#### Infrared

IR distance	Up to 150 m
IR intensity	Automatic adjustment based on zoom ratio

#### Video



## EOS-789-TH650B40 Thermal PTZ Dome

Compression	H.265/H.264
Streaming	3 streams
BLC	BLC/HLC/WDR (120 dB)
White balance	Auto, ATW, Indoor, Outdoor, Manual
Gain control	Auto/Manual
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Interoperability	ONVIF, PSIA, CGI
Web viewer	IE10/Google/Firefox/Safari...
<b>General</b>	
Power	24 V AC, 48 W (max.)
Operating temperature	-40 °C to 60 °C
Humidity	90% or less
Protection rating	IP66, TVS 4000 V Lightning protection, surge protection
Mounting options	Wall mounting, ceiling mounting
Weight	7.8 kg
Dimensions	φ250 × 413 mm

### ■ Dimensions (Unit mm)

