

IR-2000 MK1 Thermal Imaging Pan Tilt and Zoom

Features:

Industry standard upgraded to include a high performance Uncooled Thermal Imager.

Mechanical Specifications:

Pan Movement	: 360° continuous pan rotation
Vertical Tilt	: Unobstructed +33° to -83°
Variable Pan/Tilt Speeds	: 0.1° to 40°/sec when panning : 0.1° to 20°/sec when tilting
Preset Speeds	: 100°/sec when panning : 30°/sec when tilting

Electrical Specifications:

Input Voltages	: 24 or 230 VAC at 50Hz
Power Consumption	: Maximum of 70VA
Analogue Video	: 50Hz, 1 Vp-p, 75Ω, CCIR compatible
Control Interface	: RS422 D and P protocols (Pelco)

Thermal Imager Performance:

IR Detector	: 320x240 Focal Plane Array
Spectral Range	: 8 μm to 12 μm
Field of View (FOV)	: 5.6° (h) x 4.2° (v)
Focus Range	: 30m to infinity
Sensitivity	: NETD < 120mK (on a 25°C background)
Ranges significantly exceed those of the industry standard Pelco Thermal Imaging PTZ.	
Typically in moderate atmospheric conditions:	
Recognition of a Motor Vehicle	: > 3.0 km
Recognition of a Human	: > 1.0 km
Thermal Imager Functions	: Focus (manual only) : 'White' or 'Black' Hot display : Electronic Zoom

General Characteristics:

Space-Volume and Mounting	: Similar to standard Pelco PTZs
Mass	: < 13.0 kg
Operating Temperature	: -20°C to +50°C
Weather Resistance	: Equivalent to standard Pelco PTZs
Viewing Window	: Tough 'Diamond-like Carbon' IR coating



These specifications may be subject to minor changes without notice.