

# Dual Thermal Imaging Camera

## This new, high-speed PTZ Camera

is a continuous rotation, ruggedised PTZ camera, sealed to IP67 and designed to be installed in harsh and challenging environments or areas where the camera unit may be liable to experience physical abuse. It is fitted with both Day/Night and Thermal imaging camera modules.

The optically flat glass window is distortion free giving brighter clearer images at higher zoom ranges, allowing flexible installation in adverse environments, while being reinforced to withstand substantial impacts from thrown objects.

The window has a wiper fitted used to clear any dirt and water whilst allowing continued use in some of the most adverse weather conditions. The dual cameras have been cast from aluminium, hard anodised and powder coated to protect from damage such as scratching,



oxidation or attack from solvents, making it vandal resistant and suitable for most environments.

Transmission is via COFDM Video and UHF Telemetry allowing much greater distances to be achieved and provides encrypted security and a robust, noise free signal. Available on 1.3GHz, 2.4GHz, and 5.8GHz bands in real time (low latency) and allows multiple cameras within a single frequency. PAL and NTSC options are available.

Ease of installation and excellent picture quality ensure popularity among installers. 9 different protocols are loaded as standard giving even more flexibility when connecting to existing installations. The camera can be operated from a control room environment or via the control case or hand held unit allowing for on site setup and operation.

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## Day / Night Camera

Video System	PAL / NTSC
Video Output	1.0 V (p-p) / 75
Image Sensor	1/4" IT CCD
Horizontal Resolution	480 TVL
Minimum Illumination	0.7 lux colour 0.01 lux mono
Horizontal Viewing Angle	2.7- 48 degrees 2.0 - 45 degrees
Effective Elements	752 (H) x 582 (V)
Zoom	18 x optical 12 x digital 26 x optical 12 x digital
Lens	4.1 - 73.8 mm 3.5-91 mm
Backlight Compensation	Yes
Pan Rotation	Continuous 360°
Tilt Rotation	290°
Pan & Tilt speed	180° per second
IP Rating	IP67
Preset/Tours Positions	32 /16
Mimic Tours	4 x 1 mimic tours
Real Time Clock	Yes
Vandal Resistant	Yes

## Thermal Imaging

Material, Structure & Format	Amorphous
Silicon Micro bolometer	(160 x 120 pixel array)
Spectral Response	7-14 $\mu$ m (filter bandwidth)
Thermal Sensitivity	< 50mK
Refresh Rate	9 Hz
Contrast/Brightness	Automatic/Advanced Image Processing
Saturation Temperature	1100°F (600°C) +/- 10% with automatic electronic iris
Range to Detect Human Activity	17° FOV: up to 1000ft (305m)
Field of View	~17° x 12°
Analog Output	PAL (color); 9Hz Frame Rate
Output Resolution	PAL: 160 x 120 Pixels
Input Voltage	24vdc @ 0.8A / 12vdc option available
Operating Temperature	- 4°F to 185°F (-20°C to 85°C)

