

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.

Specifications

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 Microbolometer (160 x 120 pixel array)

Spectral Response - 7-14µm (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)

Technical specifications liable to change at the discretion of manufacturer

Middlemarch Business Park Siskin Drive, Coventry, CV3 4FJ

■ Tel: 024 76306606

■ Fax: 024 76306100

■ Email: sales@melsecuresystems.com

mel

Secure Systems Ltd

www.melsecuresystems.com