



MEL VM Thermal Hawk

This new high speed vehicle mounted PTZ Camera is a continuous rotation, ruggedised PTZ unit that is sealed to IP67. It is designed to be installed in harsh and challenging environments or areas where the camera unit may be liable to experience physical abuse. The camera is fitted with both Day/Night and Thermal Imaging camera modules.

The optically flat glass window is distortion free, giving brighter and clearer images at higher zoom ranges. This allows flexible installation in adverse environments whilst being reinforced to withstand substantial impacts from thrown objects. The window has a fitted wiper to clear any accumulated dirt and water enabling effective operation in the most adverse weather conditions. The dual cameras are cast from aluminium, hard anodised and are powder coated to protect from damage such as scratching, oxidation or attack

from solvents, making the system vandal resistant and suitable for most environments.

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

Ease of installation and excellent picture quality ensure popularity among installers.

Nine different protocols are loaded as standard, giving even more flexibility when using with existing installations. The camera can be operated from a control room environment, control case or hand held unit allowing for easy on-site setup and operation.

Specification

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 – 320 x 240 pixel array
Spectral Response – 7-14 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: 320 x 240 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 discretion of manufacturer.

Middlemarch Business Park, Siskin Drive, Coventry, CV3 4FJ

Tel: 024 7630 6606 ■ Fax: 024 7630 6100

sales@melsecuresystems.com

mel
Secure Systems Ltd

www.melsecuresystems.com