



ROBUST, INTEGRATED IP CAMERA AND THERMAL IMAGING PTZ UNIT

The latest addition to Dedicated Micros Camera & Dome range is the Infiniti Thermal, an integrated PTZ camera and thermal camera unit. Comprising standard CCTV camera, Thermal Imaging Unit, screen wiper/ washer, control and an integrated pan & tilt mechanism the Infiniti is designed for installations where optical clarity is paramount and thermal sensing is required.

INTEGRATED CAMERA AND THERMAL IMAGER

The side by side location of the CCTV camera and the Thermal Imager; all encased in the same housing, ensures that the operator has access to both standard CCTV and thermal footage of the same scene.

With up to 36x optical zoom and a camera module that offers 530TVL and 0.01 Lux (Mono) sensitivity the CCTV camera provides excellent field of view for day to day surveillance operations. With privacy masks, presets and patrols also included you are guaranteed all the functionality of a precision dome with the benefit of the Infiniti's additional, integrated features, such as the thermal imaging unit.

The thermal imaging unit offers outstanding performance for night vision, heat sensing and surveillance applications, including the ability to provide visibility through haze, dust, fog and smoke environments. Featuring an uncooled high resolution sensor, an athermally stabilised lens and a choice of focal lengths the Thermal Imaging Unit has a range of up to 900m and is ideal for long-range Surveillance and early warning systems.

ENVIRONMENTAL PROTECTION

With an integrated camera shield the Infiniti is protected from sun glare and rain. Housed in an IP66 enclosure, the unit also contains optically flat toughened glass which enables the use of a wash/wipe system to ensure the camera offers the best possible visibility at all times. The unit also contains a germanium window to ensure thermal accuracy and a diamond hard anti-scratch coating for environmental protection.

SIMULTANEOUS VIDEO STREAMS

The Infiniti Thermal can transmit multiple, simultaneous video streams in MPEG-4 and JPEG images enabling multiple users to view video streams at the settings they require. Both camera streams can be viewed and recorded simultaneously allowing operators to view both the CCTV and thermal image streams side by side on a monitor or display wall.

POINT&GO AND ABSOLUTE POSITIONING

Full integration with the latest generation of Dedicated Micros DVRs and Video Servers allows the Infiniti Thermal to deploy the very latest camera features including Point&Go and Absolute Positioning.

FEATURES

- Compact, Integrated PTZ Camera Unit with IP connectivity
- Supports simultaneous, multiple MPEG4 and JPEG video streams
- Includes 36x optical zoom (530TVL) CCTV Camera
- Integrated Thermal Imaging Unit for sensing heat sources up to 900m away
- Integrated Camera Recording and full enterprise video server within camera
- Direct configuration of the unit via Dedicated Micros latest range of DVRs
- Simultaneous streams of both cameras for viewing and recording on an associated DVR or Video Server
- Includes support for Point&Go and Absolute Positioning Features
- Compatible with existing Dedicated Micros camera brackets and accessories
- Through-base connector provides maximum tamper resistance as the connector protected inside the mounting bracket



SPECIFICATION

CCTV CAMERA FEATURES

SENSOR

1/4" Sony EX-view CCD

CAMERA RESOLUTION

530TVL

RESOLUTION

QCIF, CIF, 2CIF, 4CIF

OPTICAL ZOOM

36x Day/Night:

DIGITAL ZOOM

12x

SENSITIVITY

Colour: 0.05 lux

Mono: 0.01 lux in low light

Wide Dynamic Range: Yes

FOCAL LENGTH

36x: 3.4 to 122.4mm (F1.4 to F3)

ANGLE OF VIEW

36x: 1.7° (tele) to 58° (wide)

PRIVACY MASKS

24

SIGNAL TO NOISE

>50dB

THERMAL CAMERA FEATURES

DETECTOR

384x288 pixels Silicon Micro bolometer

IMAGE REFRESH RATE

8.3Hz PAL, 7.5Hz NTSC

SPECTRAL RESPONSE

8µm to 14µm

THERMAL SENSITIVITY

100mK (0.1°C) @ 20°C ambient and 30°C scene temperature

COLOUR PALETTE

Greyscale black hot, Greyscale white hot, Ironbow, Red scale

SHUTTER

Auto

DIGITAL ZOOM

x2, x4

LENS OPTIONS

15mm (up to 300m range)

45mm (up to 900m range)

ANGLE OF VIEW

15mm: 35° x 26° (HxV)

45mm: 12° x 9° (HxV)

COMBINED FEATURES

CAMERA MOVEMENT

0.05° to 180°/sec max (both axes), 360° continuous pan rotation

PRESETS & PATROLS

Presets: 99

Patrols: 4 with 32 positions

ALARMS & RELAYS

Alarms: 4, Relays: 1

SUPPORTED DVRs

Any DM DVR that supports IP cameras e.g. DV-IP Server, DV-IP HD, DV-IP RT, HighVu Excel, SD Advanced, DS2**

INTEGRATED CAMERA RECORDING (ICR)

Option to record camera footage at the unit as well as any associated DVR or Video Server. An integrated Micro SD expansion port provides local recording capability whilst ATA over Ethernet (AoE) protocol provides highly-secure point-to-point transfer of video files to a separate, remote, storage device for backup and long-term archiving. Enables a tiered storage architecture that ensures no single point of failure.

WEB PAGE CONFIGURATION

Simple webpage configuration will allow the following functions to be configured

- Manual update of viewing profiles
- Network, and Alarm Settings
- Camera setup
- Record setup

COMPRESSION

JPEG & MPEG-4 compression, multiple simultaneous streams

DATA CONNECTIVITY

RJ45 Connector for Ethernet 10/100 BaseT

Supplied with 3m pre-wired cable

NETWORK SUPPORT

DCCP, DHCP, ICMP, TCP, UDP, IP, ARP, RTP, Telnet, AoE, SNMP, SNTp and FTP

SUPPORT APPLICATIONS

NetVu Observer

BROWSER SUPPORT

IE 5.5 and above

Firefox 2.0 and above

POWER SUPPLY

Includes mains to 24Vdc weatherproof PSU / termination unit

OPERATING TEMPERATURE

-40 to +50°C, 90% humidity

ENCLOSURE

IP66 Rated

Pressure die-cast aluminium and injection moulded polycarbonate

FINISH

Metal parts polyester powder coat, RAL7001, plastic parts

RAL9002

WINDOW

CCTV Camera: Toughened Glass

Thermal Camera: Germanium diamond-like carbon anti-scratch coated

MOUNTING

4 inch (101.7mm) PCD mounting (unit compatible with industry standard pan & tilt brackets)

63mm PCD mounting (unit compatible with DM standard dome brackets)

WARRANTY

2 Years

** (Not all features supported)

Model Code	Description
DM/8080-36D1ST	IP Infiniti 36x DN 15mm thermal mains
DM/8080-36D4ST	IP Infiniti 36x DN 45mm thermal mains

†Washer unit available separately

To find your nearest Dedicated Micros office, please visit

www.dedicatedmicros.com

Head Office: Dedicated Micros UK, 1200 Daresbury Park, Daresbury, Warrington, WA4 4HS Tel: +44 (0) 845 600 9500 Fax: +44 (0) 845 600 9504 Email: customerservices@dmicros.com

The manufacturer reserves the right to change the specification without notice. All trademarks are courtesy of registered owners. DV-IP is trademark of AD Holdings plc. The DM logo is a trademark of Dedicated Microcomputers Group Ltd. NetVu Connected is a trademark of the AD group.

© Copyright AD Group April 2010



MKT-INF-T-D-001E

