eco4

Dedicated Micros new entry level Eco4 is a low cost analogue DVR designed for small-scale security environments.

Following the success of the original Eco4, the new model is a powerful, yet compact, solution, built around the company's NetVu Connected technology platform and offers instant access to all of its controls through a simple colour-coded on-screen display and 5 front panel buttons.

SMALL & COMPACT

The small size and weight of the new Eco4 DVR at only 203x152x51 mm (8x6x2 inches) and 1.1 kg (2.51 lbs) makes it an ideal choice for applications where space is at a premium.

NEVER MISS A SECOND

Enjoy real-time live and playback viewing on every connected camera at CIF resolution. Up to 4CIF resolution is also available on every connected camera.

FLEXIBLE STORAGE OPTIONS

The Eco4 is available in a 500GB storage model or without on-board storage to enable users to utilise their own storage options via USB.

FANLESS DESIGN FOR SILENT OPERATION

The intelligent design of the Eco4, combined with the low heat output of the on-board processor enables the DVR to run silently, ideal for environments that demand low noise pollution levels.

ESSENTIAL SECURITY

Despite its diminutive size the Eco4 includes all the essential security features you would expect from a leading DVR; Alarms & Relays, Motion Detection, Networking and remote viewing, audio input/output and telemetry support.

VIEW FROM ANYWHERE WITH NETVU OBSERVER

With Dedicated Micros powerful NetVu Connected technology built-in, users can view their live or recorded security footage from anywhere in the world on a PC (using NetVu ObserVer) or mobile device.

CHOOSE YOUR OWN FORMAT

Continuing to provide our customers with choice, Dedicated Micros' Eco4 supports three standard compression formats; MPEG-4, H.264 and MJPEG.*

EASY EVENT ARCHIVING

Event sequences and incidents can be saved to external flash memory or hard drive through the USB port.

FEATURES

- 4 Channels, up to 100pps (@ CIF Resolution) across the unit
- Simultaneous live viewing and Recording
- Simple graphical interface controlled via USB Mouse
- USB ports for download of video archive to external storage device
- Composite or SVGA main monitor outputs
- Serial Telemetry Control including Pelco P & D

- On-board Help Videos
- Audio In/Out
- Global MPEG4, MJPEG or H.264 record settings*
- Seamless operation with all NetVu Connected products
- TransCoding - High quality recording and simultaneous video transmission using MPEG4 or JPEG for playback
- Color-coded soft key menus, identical local and remote interfaces

NetVu CONNECTED   DEDICATED MICROS

SPECIFICATION

CAMERAS
4 camera inputs available. Auto detection on power up. Alarm on Camera Fail. Time base correct video inputs for guaranteed recording performance.

RECORDING
Simultaneous live viewing, playback and recording.
Alarmed or manually selected images can be protected from being overwritten.

RECORD RATE
True global record rates of up to 100pps (PAL), 120pps (NTSC) at CIF. Assuming all camera channels are populated:
• CIF available at 25pps (PAL), 30pps (NTSC) per camera
• 2CIF available at 12pps (PAL), 15pps (NTSC) per camera
• D1/4CIF available at 6pps (PAL), 7pps (NTSC) per camera

MONITOR VIEWING
Main Monitor: Composite or SVGA Output

STORAGE
The unit is supplied with 500GB a storage option.
The unit can also be supplied diskless for use with an external USB HDD (external USB HDD needs to be supplied seperately)

REAL TIME LIVE MULTISCREEN DISPLAY
The Eco4 displays images with realtime updates in live mode. Up to a quad screen.

REMOTE VIEWER
Integrated into the configuration web pages, the remote viewing client reflects the local on-screen user interface.

ON-BOARD HELP VIDEOS
The Eco4 includes on board help videos for assistance on both User and Configuration features. The help videos cover all major operation and configuration topics include: Basic Live and Playback control, telemetry control, alarm configuration, event reviewing and archiving.

TRANS*CODING*
High quality recording and simultaneous video transmission using MPEG4 or JPEG for remote playback. The Eco4 has a unique TransCoding engine which can convert evidential quality recorded JPEG images into an MPEG4 data stream on playback. This is especially useful when playing back recordings over a bandwidth limited network connection.

E-MAIL NOTIFICATION
Emails can be sent on alarm or other critical events.
Notifies the following events on a camera by camera basis:
• Alarm
• Activity
• Camera fail
• Power up
Access to mail server via Ethernet is required for this feature.

AUDIO
Line in: 1x 1V pk-pk, RCA phono socket
Line out: 1x 1V pk-pk, RCA phono socket

EVENT COPYING
Front panel keypad, an attached telemetry keyboard, the supplied IR remote, USB mouse or USB QWERTY Keyboard.

NETWORK PROTOCOLS
DCCP, DHCP, HTTP, HTTPS, IPv4, SMTP, Bonjour, ICMP, DNS, NTP, TCP, UPP, UDP, ICMP, DHCP, ARP, RTP, Telnet, FTP, AoE, SNMP.

COMMON CONFIGURATION INTERFACE
A Common Configuration interface is displayed when the units' configuration screens are accessed locally at the unit or remotely via a web browser. This unified system ensures that the installer is familiar with the configuration screens irrespective of their location to the unit, minimising training and familiarisation time and increasing the speed of installation and alteration to features.

ALARMS AND RELAYS
4 Normally open/closed tamper proof alarm inputs. One global keyswitch can be assigned to operate from any of these inputs and is configurable with entry/exit route timers. 2 relay outputs are configurable to trigger in response to events.

ACTIVITY DETECTION
Activity detection will switch the selected camera from normal record profile to alarm record profile.

SCHEDULING
Choice of day, night or weekend scheduling offers the ability to automatically alter the record rate for background alarm and activity recording. Activation is via a timer or keyswitch alarm input.

TIMED EXPIRY
Timed expiry option allows images to be held for a selected number of days. Images on the disk which are older than the number of days selected are not accessible.

TELEMETRY
Built-in RS485/Twisted pair protocols provide direct control of the numerous domes including but not limited to the following:
• Dedicated Micros Dennard 2040 to Dennard 2060
• Honeywell / VCL Orbiter & Jupiter Microspheres™
• GE CyberDome™ • BBV RS485 StarCard • Bosch/Philips G3
• American Dynamics • Panasonic • Pelco P, Pelco D

LOCAL CONTROL
Eco4 can be controlled via IR remote, USB mouse or using a USB QWERTY Keyboard.

COMPRESSION
JPEG & MPEG-4 & H.264 format files*.

DATA PORTS
Serial Ports: 1x RS485, 1x RS232
Ethernet: 1x Ethernet RJ-45 10/100 Ethernet connection.
USB: 3 x USB 2.0 Connector
IR Remote: 1x IR sensor at front of unit

WEIGHTS & MEASURES
Dimensions: 42mm (H) x 205mm (W) x 143mm (D)
Weight: 1.14 kg (2.51 lbs)

POWER SUPPLY
120, 40W, External Power Supply

TEMPERATURE RANGE
Operating Temperature: 6°C to 40°C
Relative humidity: 10% - 85% Non-condensing

WARRANTY
3 years warranty including HDD.

* H.264 support available in a software release shortly after product launch

Model Code	Description
DM/ECO4/USB	4Ch DVR 100pps CIF, No HDD, SVGA, USB
DM/ECO4/500	4Ch DVR 100pps CIF, 500GB, SVGA, USB

MKT-ECO4N-D-004E