SPECIFICATION

CAMERAS
4, 8, 16 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.

MONITOR VIEWING
Main Monitor: Selectable Composite and VGA Outputs
Spot Monitor: Composite Output

REAL TIME LIVE MULTISCREEN DISPLAY
The EcoSense displays images with realtime updates in live mode.

REMOTE VIEWER
Integrated into the configuration web pages is a remote viewing client that duplicates identically the local on-screen user interface of the unit.

Removing the need to install any separate software this remote viewer can be used on any compatible browser.

TRANSCODING
High quality recording and simultaneous video transmission using MPEG4 or JPEG for remote Live viewing AND Playback.

The EcoSense 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: 1V pk-pk, RCA phono socket
Line out: 1V pk-pk, RCA phono socket

EVENT COPYING
Event sequences and user defined recorded sequences can be saved to a CD or DVD via the integrated DVD-writer or to external flash memory or hard drive through the USB port.
No DVD-writer on 4 Channel unit

ALARMS AND RELAYS
- 5 normally open/closed alarm inputs (4 Channel models)
- 17 Normally open/closed alarm inputs (8/16 Channel models)
- One global keyswitch can be assigned to operate from any of these inputs and is configurable with entry/exit route timers.
- There are 2 relay outputs configurable to trigger in response to events. (1 relay ouput on 4 Channel model)

ACTIVITY DETECTION
Each activity detection will switch the selected camera from normal record profile to alarm record profile. This feature can also; log the event, activate a relay, switch camera, email on activity and remote alarm reporting.

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
EcoSense can be controlled via an attached telemetry keyboard, the supplied IR remote or USB mouse or using a 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.

COMPRESSION
JPEG & MPEG-4 format files.

RESOLUTION
QCIF, CIF, 2CIF, 4CIF, D1 resolution

DATA PORTS
Serial Ports: 1x RS485, 1x RS232
Ethernet: 1x Ethernet RJ-45 10/100 Ethernet connection.
USB: 3 x USB 2.0 Connector
Keyboard: 1 x RJ12 (excl. 4 Channel unit)
IR Remote: 1x sensor at front of unit

WEIGHTS AND MEASURES
Dimensions: 292x439x99 (LxWxHmm)
Weight: 4.9kg (excluding power supply)

POWER SUPPLY
12V DC External Power supply provided
Power On LED on Front Panel

WARRANTY
All products supplied with a standard 1 year warranty. To activate any applicable extended warranty period, please contact Customer Services:
UK: customerservices@dmicros.com
US: custsupport@dedicatedmicros.com
EU: infobox@dmicros.com

A list of current extended warranty periods is available on our website: www.dedicatedmicros.com/warranty

Model Numbers
See model number and part description below for further information.

Model Number	Description
DM/ECS1/250/04	EcoSense 4Ch DVR 250GB 100pps
DM/ECS1/250/08	EcoSense 8Ch DVR 250GB 100pps
DM/ECS1/500/08	EcoSense 8Ch DVR 500GB 100pps
DM/ECS1/250/16	EcoSense 16Ch DVR 250GB 100pps
DM/ECS1/500/16	EcoSense 16Ch DVR 500GB 100pps
DM/ECS1/1T0/16	EcoSense 16Ch DVR 1TB 100pps
DM/ECS2/500/08	EcoSense 8Ch DVR 500GB 200pps
DM/ECS2/1T0/08	EcoSense 8Ch DVR 1TB 200pps
DM/ECS2/500/16	EcoSense 16Ch DVR 500GB 200pps
DM/ECS2/1T0/16	EcoSense 16Ch DVR 1TB 200pps
DM/ECS2/2T0/16	EcoSense 16Ch DVR 2TB 200pps
DM/ECS/PSU	EcoSense PSU

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DATASHEET

ecosense



On-board Help Videos

Dedicated Micros new entry-level DVR, provides low cost multi channel recording with simultaneous playback and viewing. The EcoSense can be accessed and controlled from the state of the art touch sensitive front panel or via a mouse or keyboard, giving the user full access to all the DVRs features including Telemetry control, Alarm and Event Management and Activity Detection.

TOUCH SENSITIVE CONTROL PANEL
With a state of the art touch sensitive panel, the EcoSense provides instant access to all its control options via its unique front panel interface.

SIMULTANEOUS LIVE VIEWING & RECORDING
The EcoSense offers simultaneous live viewing & recording on all models to allow live monitoring without impacting recorded video.

RECORD RATE
True global record rates of up to 200pps (PAL), 240pps (NTSC) at CIF. Assuming all camera channels are populated:
- CIF available at 12pps (PAL), 15pps (NTSC) per camera
- 2CIF available at 6pps (PAL), 7pps (NTSC) per camera
- D1/4CIF available at 3pps (PAL), 4pps (NTSC) per camera

HELP VIDEOS
The EcoSense includes on board help videos for assistance on both User and Configuration features. Accessible from both the local and remote viewer the help videos cover all major operation and configuration topics include: Basic Live and Playback control, telemetry control, alarm configuration, event reviewing and archiving.

COLOUR CODED MENUS
The EcoSense includes a unique colour-coded, soft key menu structure and onscreen GUI. Context sensitive, the menu structure always represents the area of the menu that the user is in, allowing them to quickly select the options and settings they need without having to trawl through menu pages and configuration options. The colour coded buttons displayed on the monitor match those on the IR Remote, whilst control can also be conducted through an attached USB Mouse or USB Keyboard.

SEAMLESS NetVu CONNECTED INTEGRATION
NetVu Connected technology enables the EcoSense to fully interoperate with other NetVu Connected products including the DV-IP Decoder, Pick-a-Point, DV-IP Server, NetVu Console, HighVu Excel and NetVu ObserVer to provide the user with a single unified viewing solution. As a NetVu Connected product, the EcoSense can be seamlessly integrated into our award winning Emergency Messaging and Mass Notification System.

FEATURES

- 4, 8 or 16 Channel models, up to 200pps (@ CIF Resolution) across the unit
- Simultaneous Live viewing and Recording
- On-board help/training videos for both User and Configuration features
- D1/4CIF/2CIF/CIF record rate at 3/3/6/12pps per camera
- State of the art touch sensitive front control panel
- Simple graphical interface controlled via USB Mouse or Telemetry Keyboard
- DVD writer and USB ports for download of video archive to external storage device
- Composite or VGA main monitor
- Serial Telemetry Control including Pelco P & D
- NetVu Connected - Common Core Video DNA
- Global MPEG4 or JPEG record settings
- **Trans***Coding* - High quality recording and simultaneous video transmission using MPEG4 or JPEG for remote Live viewing AND Playback.
- Audio In/Out