



NETVU CONNECTED, SINGLE CHANNEL, SELECTABLE ENCODER/DECODER

The DV-IP Codec is a single channel selectable encoder/decoder designed to increase the flexibility of NetVu Connected CCTV networks. Its versatility allows the user to choose whether the unit operates as a single channel encoder or decoder as the installation dictates.

ENCODER CAPABILITY

The unique DM ViSP technology allows the encoder to transmit multiple simultaneous streams of MPEG-4 and JPEG images at different resolutions. This flexibility allows users to record high quality images for evidence and watch optimised streamed video at the same time, with no loss of performance.

AnalyticsCapable

The DV-IP Codec can be upgraded to run a range of D-Tec video analytics solutions including; Object Left, Object Counting, Object Removed, ANPR and Perimeter Protection. All that is required is a simple software upgrade & license and existing analogue cameras can be enabled to run analytics technology allowing users to organically expand their CCTV solution.

DECODER CAPABILITY

The DV-IP Codec in its Decoder mode gives the user increased viewing flexibility by allowing additional monitoring stations to be deployed around the CCTV installation as and when required.

The unit supports full and quad screen viewing modes, multisite viewing and decoding of MPEG-4/JPEG streams.

Either as a single monitor application or as part of a larger video wall solution the DV-IP Codec is a powerful addition to the NetVu Connected family of products.

Although small and compact the DV-IP Codec includes a range of advanced CCTV features including; Serial telemetry, Pre-Alarm capability and Integration opportunities using the NetVu Connected SDK.

The DV-IP Codec is suitable for applications such as corporate buildings, shopping centres, universities and hotels.

By utilising the power of NetVu Connected technology, the DV-IP Codec provides the gateway to interoperability across the whole CCTV installation.

FEATURES

ENCODER

Current

- ▶ JPEG/MPEG-4 simultaneous compression
- ▶ QCIF, CIF, 2CIF, 4CIF simultaneous resolution support
- ▶ Up to 25pps (PAL), 30pps (NTSC) streaming rate
- ▶ Single channel audio input
- ▶ Free NetVu ObserVer remote viewing software
- ▶ DVR recording
- ▶ AnalyticsCapable

Future

- ▶ Bi-directional audio
- ▶ MultiMode support (up to 2 profiles loaded via associated DVR)
- ▶ Pre-alarm image capture

DECODER

Current

- ▶ Colour composite monitor output
- ▶ Full and quad screen modes supported
- ▶ Single channel audio input

Future

- ▶ VGA monitor output



MultiMode

COMMON

Current

- ▶ Encoder / Decoder mode user adjustable
- ▶ Remote configuration through associated web pages
- ▶ SDK available for integration
- ▶ NetVu connected

Future

- ▶ 3 alarm inputs, 1 output
- ▶ Remote alarm reporting

AnalyticsCapable

SPECIFICATION

DECODER SPECIFIC

MONITORS

- 1 composite monitor output
- BNC 75 Ω
- Images viewable in full, and quad screen modes

ENCODER SPECIFIC

CAMERAS

- 1 camera input
- PAL, NTSC
- BNC 75 Ω
- Colour or mono

STREAMING

- Up to 25pps at 4CIF (PAL)
- Up to 30pps at 4CIF (NTSC)
- Time / date stamping of all images

TELEMETRY

Serial

- Dennard
- Dedicated Micros

More protocols available in future software upgrade

MultiMode PROFILE SUPPORT

MultiMode recording gives you the ability to set different record rates, resolutions and compression algorithms across scheduled, normal and alarm modes. Two **MultiMode** Recording profiles can be set per unit, giving you the flexibility to adjust resolution (QCIF to 4CIF), record rates and compression settings (MPEG-4/JPEG) dynamically. **MultiMode** will be supported to the end of the **MultiMode PROFILE SUPPORT** section.

MultiMode feature will be supported in future software releases.

AnalyticsCapable

The DV-IP Codec can be upgraded to run a range of D-Tec video analytics solutions including; Object Left, Object Counting, Object Removed, ANPR and Perimeter Protection. All that is required is a simple software upgrade & license and existing analogue cameras can be enabled to run analytics technology allowing users to an organically expand their CCTV solution.

SUPPORT APPLICATIONS

- NetVu ObserVer

COMMON TO BOTH COMPRESSION

- JPEG (Video)
- MPEG-4 (Video)
- ADPCM (Audio)
- User definable image file sizes and bit rates

RESOLUTION

- Sample rate 13.5MHz to CCIR 601
- PAL 704x576 (Max) to 176x144 (min)
- NTSC 704x480 (max) to 176x120 (min)

AUDIO (MONO)

- 1x audio input – phono
- 47k Ω input impedance
- Future
- 1x audio output – phono
- 47k Ω output impedance

ALARMS

FUTURE

3 alarm inputs configurable as NO, NC or EOL

1 alarm output

NETWORK SUPPORT

- RJ45 connector
- 10/100 BaseT
- Network protocols IP, TCP, UDP, TELNET, ICMP, HTTP, ARP

SERIAL PORTS

- 2x serial ports configurable for
- RS232 (3 wires), RS485 (2 wire), RS422 (4 wire)

SERIAL PORT OPERATIONAL MODES

- Telemetry, Debug

FRONT PANEL STATUS LEDs

- Status
- Power

DEVELOPERS SUPPORT

- Java via DM SDK

TEMPERATURE RANGE

- 0-40°C operating (32 to 104°F)

BROWSER SUPPORT

- IE 5.5 and above
- Netscape 4.7 and above
- Mozilla Firefox 1.5 and above

DIMENSIONS

- H50mm x W119 x D164 H1.97" x W4.69" x D 4.46"

POWER

Input: 12Vdc, 12W from mains PSU included with unit

Output: 12Vdc, 6W for powering an analogue camera. Two part connector with screw terminals.

PLEASE CHECK THE WEBSITE FOR DETAILS OF COMPATIBLE PRODUCTS AND OTHER LATEST DEVELOPMENTS



Dedicated Micros UK
Dedicated Micros USA

Dedicated Micros Canada
Dedicated Micros Germany
Dedicated Micros France
Dedicated Micros Asia
Dedicated Micros Australia

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Dedicated Micros Malta
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The manufacturer reserves the right to change the specification without notice.

www.dedicatedmicros.com

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MKT-CODE-D-001E

