ENCIPHER
Professional Dual Channel IP Encoder
Secure and encrypted HD video streaming over IP
**Feature rich encoder designed for streaming applications**

The ENCIPHER is DTC’s new professional H.264 dual-HD video encoder, designed for live video streaming and surveillance applications. The small, robust unit combines low delay, high quality broadcast capabilities along with a range of extra features such as composite video, Power over Ethernet (PoE) and camera control. Whether it’s used for monitoring CCTV at the home or fixed infrastructure surveillance situations, the ENCIPHER meets your streaming and surveillance needs.

**Video streaming made simple**

The ENCIPHER is an affordable IP encoder that offers simple and affordable entry into the surveillance market, and is adaptable to any operation, whatever the size and scope. It brings dual channel capabilities into one small, robust device that can be quickly deployed and further more, offers software selectable audio source, embedded or analogue audio, for each encoder channel. By connecting the ENCIPHER to the network you can enjoy H.264 quality streaming, with transmission bandwidths from 100kbps to 30Mbps.

**Small and easily portable**

With its highly compact form factor and its simple-to-use capabilities, the ENCIPHER opens up new possibilities in the world of streaming and surveillance. Whether it’s used in fixed infrastructure surveillance, home surveillance, PTZ control, live events or webcasting - the ENCIPHER streams what you need, when you want it to.

**Suitable for a range of applications**

- **PTZ control**
  - Housed in a robust enclosure, the ENCIPHER can be used with two connected cameras
  - PTZ control via IP link
  - Streaming video and audio is encrypted over ADSL/fibre or via wireless link.

- **Fixed infrastructure surveillance**
  - For use when ad hoc Mesh is not required
  - More than one ENCIPHER can be linked together with wired or low cost point-to-point wireless IP links
  - Power management is easy with PoE
  - Easy set up and no training required – simply set up the camera.

- **Local Ethernet connection**
  - The ENCIPHER can be integrated with mobile (3G/4G) networks through an external LTE modem.

- **ADSL streaming**
  - Can be used at home, in the loft, cellar or roof cavity
  - Pinhole camera can be installed through roof tiles or into rooms
  - Power and Ethernet to device can be powered from home router or PoE.

- **Built in video analytics**
  - Cameras can be connected to the ENCIPHER and streamed on the first encoder channel
  - Motion triggers can be set on the encoder page
  - A video download tool can be used to forward and view the recordings.

- **HD SDI video and audio tracks**
  - Set up ENCIPHER with SDI camera
  - Video and audio set up in one encoder channel
  - Stream RTSP video with two audio tracks.

**ENCIPHER**

[Diagram of ENCIPHER usage scenarios]

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ENCIPHER

Features and benefits

Dual channel
Two high profile HD H.264 video encoders, with a total encoder throughput of up to 1080p30 (1080i60).

Simultaneous streams
Enjoy up to two IP streams — RTSP, UDP, unicast and multicast.

Up to 16 configurations
Can be saved on the ENCIPHER which can be switched via WEB interface or Domo Device Controller software.

Secure
ABS encryption comes as standard. AES licenses available as required.

Camera control
Can be done through RS232 or RS485 and comes with external switched power supply for powering cameras and sensors.

Real time clock
The ENCIPHER clock can be set via WEB interface. It switches automatically to battery power when main power is lost, to maintain the real time clock.

A look at the ENCIPHER

Front view

Back view

Notes:
- Reset button on base of unit
- Micro SD card (up to 128GB, class 10) used for upgrade and video recording.

Power
Power supply included with the product

USB
Supported USB devices only.

Network
10/100/1000 BASE-TX

Micro SD
Micro SD card (up to 128GB, class 10)

Camera control
Configure in software as either two independent RS232 serial ports or one RS485 serial port

Channel 1
SDI, CVBS, Audio

Channel 2
SDI, CVBS, Audio

SDI CVBS Audio

SDI CVBS Audio

SDI CVBS Audio
The one-stop box for your live video streaming and surveillance needs

- Dual HD video encoders, composite video, low delay, Power over Ethernet and camera control built-in
- Can be integrated with 3G/4G networks through an external modem using a wired Ethernet connection
- Operates in a variety of transmission bandwidths from 100kbps to 30Mbps.

Stream and deliver

By connecting a video device to the ENCIPHER, you can begin your easy journey into live video streaming and recording. With its compact size, the ENCIPHER is designed to travel well and fit discretely into small cavities, all while giving you high quality HD video feeds. And with DTC’s IP technology at its core, you can be sure of high reliability and resilience.

Rapid deployment

During high profile events, security or law enforcement, time is of the essence. And when there is no time to connect to other network infrastructure, the ENCIPHER utilises 3G, 4G & LTE streaming, allowing you to distribute mobile situational awareness secretly over mobile networks.

For further information on DTC’s ENCIPHER contact your Sales Account Manager or one of our Regional Sales Offices, or email solent.info@domotactical.com