

## i-Volution i3401-E Quad Encoder

The i-Volution 3401 (i3401-E) Video-over-IP encoder provides a cost effective way to transport up to 4 camera signals over a single Video-over-IP stream using advanced MPEG-4 ASP compression. It can also be switched remotely to display any of the 4 video inputs on demand.



### applications

- Security Surveillance
  - Airports
  - Seaport
  - Military
  - Industrial Complexes
  - Unattended Sites
- Transportation
  - City Intersection Monitoring
  - Roads
  - Rail/Subway/Metro

### Video Display Modes



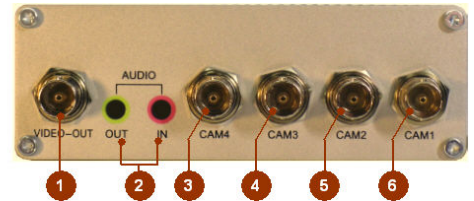
Quad Display



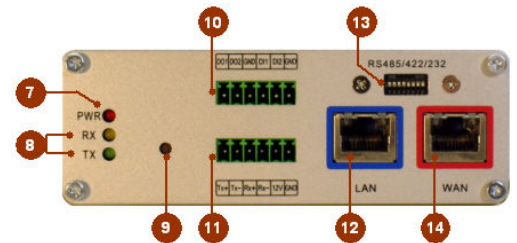
Switched 1 of 4 Selected

- Four video multiplexed or switched
- MPEG-4 ASP compression
- Dual streaming via LAN and WAN interfaces
- Full D1 to CIF resolution at 25/30 fps
- QoS enabled (L3) video streaming
- Real-time quad video streaming
- Built-in video output (pass-through)
- Digital time code embedded in stream
- Hardware motion detection included
- Two way audio
- Dual isolated digital input and output

### Front View



### Rear View

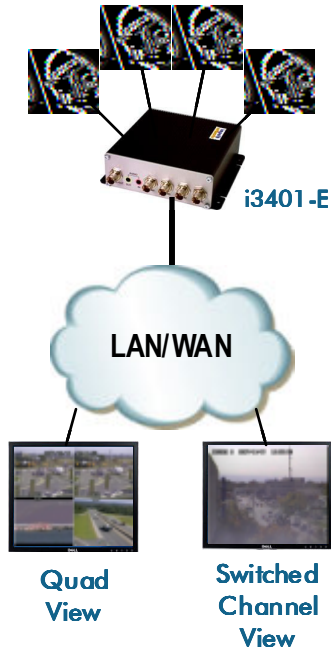


- 1 Video Output (Pass-Through)
- 2 Audio Input/Output
- 3 to 6 Camera 1-2-3-4 Input
- 7 Power LED
- 8 Serial Port LEDs
- 9 Reset Button
- 10 Digital Input and Output Connector
- 11 Serial Port and Power Connector
- 12 LAN Ethernet Port
- 13 Serial Port Settings
- 14 WAN Ethernet Port

# i-Volution i3401-E

## Quad Encoder

### Typical Application



### Product Specifications

#### Video

Compression	MPEG-4 ASP
Resolution	Full D1 (720 x 480 NTSC & 720 x 576 PAL) CIF (352 x 240 NTSC & 352 x 288 576 PAL)
Bit Rate	28K – 3 Mbps
Image Frame Rate	30 fps at D1 (NTSC) and 25 fps D1 (PAL)
Multi-Stream	Up to 4 configurable frame rate/bit rate streams

#### Video Input

Composite Video	One, 1.0Vp-p, 75 ohm, BNC Connector
-----------------	-------------------------------------

#### Video Output

Composite Video	One, 1.0Vp-p, 75 ohm, BNC Connector (pass-through)
-----------------	--

#### Audio Input

Compression	8kHz, Mono, PCM
Audio Line In	Unbalanced, 1.4Vp-p, 1 Vrms,

#### Audio Output

Compression	8kHz, Mono, PCM
Audio Line Out	Unbalanced, 1.4Vp-p, 1 Vrms,

#### Alarms

Digital Input	2 – TTL via terminal block
Digital Output	2 – TTL via terminals block

#### Serial Port

RS-485, Half duplex, via terminals block
RS-422, Full duplex, via terminals block
RS-232, Full duplex, via terminals block

#### LEDs & Indicators

Reset Button	Recessed button to factory defaults
LED	Power, Serial data Tx and Rx

#### Network Connections

WAN	Ethernet (10/100Base-T) via RJ-45 connector
LAN	Ethernet (10/100Base-T) via RJ-45 connector
Protocols	TCP, UDP, IP, HTTP, DHCP, PPPoe, RTP, RTSP, FTP, SMTP

#### Software

Web Browser	Microsoft IE vr 6.0 or higher.
SDK	Active X Control, C, and HTTP
Security	User Name and Password protected configured by administrator

#### Environmental

-34 to +74C (-29 to +165F)

#### Power Requirements

Voltage	DC 12V +/- 10%
Power	9.6W

#### Physical

Dimensions (WxHxD)	119 x 41.7 x 122 mm (4.7" x 1.65" x 4.8")
Weight	470g (1.04 lbs)