

## the i-Volution i3101-E HARDENED ENCODER

The i-Volution 3101 (i3101-E) MPEG-4 Video-over-IP encoder provides outstanding performance for video surveillance applications requiring controlled rate video or full motion video. The i3101-E encodes a single video and a serial data channel for transmission over standards based IP networks.

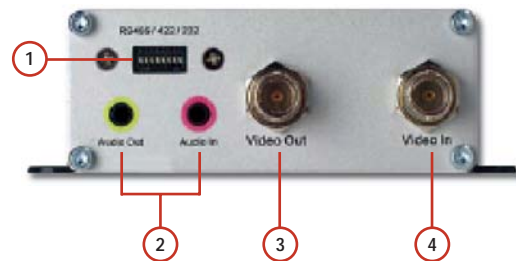


- MPEG-4 ASP compression
- Dual streaming via LAN and WAN interfaces
- Full D1 to CIF resolution at 25/30 fps
- QoS enabled (L3) video streaming
- Built-in video output (pass-through)
- Digital time code embedded in stream
- Hardware motion detection included
- Two way audio
- Dual isolated digital input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

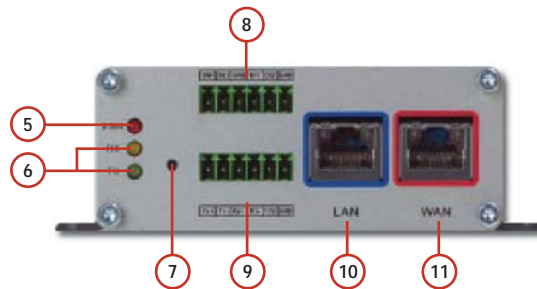
### applications

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

Front View



Back View



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



# the i-Volution™ 3101-E

## HARDENED ENCODER

### Product Specifications

#### Video (Compression)

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
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#### Video Output

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

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

#### Audio Output

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

#### Alarm

Digital Input	2 - TTL via terminals 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 Connations

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

Voltage	DC 12V ±10%
Power	7.5 W

#### Physical

Dimensions (WxHxD)	112 x 37.2 x 119 mm (4.41" x 1.46" x 4.68")
Weight	350g (0.66 lbs)



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