

the i-Volution™ 3101

HARDENED ENCODER

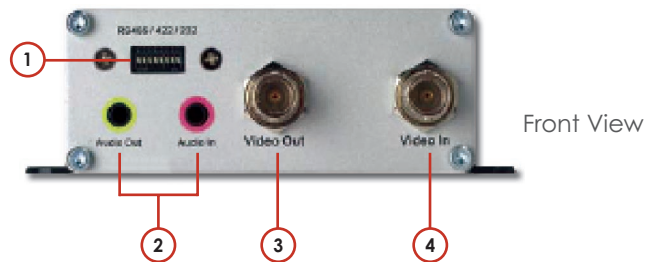
The i-Volution 3101 (i3101-E) Video-over-IP encoder delivers outstanding performance for video surveillance applications requiring controlled frame rate video or full motion video. The i3101-E can encode a single video MPEG-4 video and a serial data channel for transport over a standards based IP network.



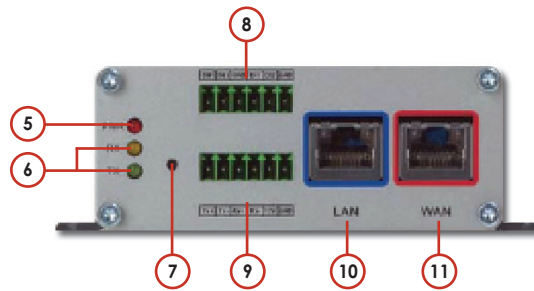
- MPEG-4 ASP compliant compression
- Full D1 or CIF resolution at 30/25 FPS
- Dual MPEG-4 video stream output via LAN and WAN (PPPoE supported) ports at the same time
- QoS enabled (L3) video streaming
- Digital time code embedded
- Hardware motion detection
- Two way audio supported
- Isolated digital input and output supported

applications

- Security Surveillance
 - Airports
 - Military
 - Industrial Complexes
 - Hospitals
 - Campuses
 - Detention Centers
- Transportation Monitoring
 - Road (ITS)
 - Rail/Light Rail
 - Subway/Metro



Front View



Back View

- 1 Serial port setting
- 2 Audio input/output
- 3 Analog video output
- 4 Analog video input
- 5 Power LED
- 6 Serial port LED indicator
- 7 Reset button
- 8 Digital input & digital output
- 9 Serial port input & DC 12 V power input
- 10 LAN port
- 11 WAN port



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Video (Compression)

Compression	MPEG-4 ASP compliant compression
Resolution	Full D1 (720 x 480 in NTSC, 720 x 576 in PAL) CIF (352 x 240 in NTSC, 352 x 288 in PAL) QCIF (160 x 112 in NTSC, 176 x 144 in PAL)
Bit Rate	28 K - 3 M bps
Image Frame Rate	30 fps at full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL)
Multi-stream	Up to 4 configurable streams

Video Input

Composite Input	CVBS, 1.0Vp-p with 75 Ω loading, BNC connector
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Video Output

Composite Output	CVBS, 1.0Vp-p with 75 Ω loading, BNC connector
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Audio Input

Compression	8 kHz, Mono, PCM
Audio Line Input	Unbalanced, 1.0 Mpp, 1 Vrms, 3.5 mm Jack

Audio Output

Compression	8 kHz, Mono, PCM
Audio Line Output	Unbalanced, 1.0 Mpp, 1 Vrms, 3.5 mm Jack

Alarm

Input	2, TTL, terminal block
Output	2, TTL, terminal block

Serial Data

Interface	RS-485: half duplex, terminal block RS-422: full duplex, terminal block RS-232: full duplex, terminal block
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External I/O

Reset Button	Factory Default
LED	System Status

Network

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

Software

Web Browser	Microsoft Internet Explorer 6.0 or above
SDK	ActiveX control, C SDK
Security	Password Protection: configured by the administrator

Environmental

Temperature	-30 ~ 70° C (-22 ~ 158° F)
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Power

Requirement	DC 12 V ±10%
Consumption	7.5 W

Physical

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



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