

## the i-Volution™ 3801 MULTI-PORT ENCODER



The i-Volution 3801 (i3801-E) Video-over-IP encoder delivers outstanding performance for video surveillance applications requiring controlled frame rate video or full motion video. The i3801-E encodes 8 video to MPEG-4 streams plus 8 data channels for transport over a standards based IP network. The compact 1U format provides a cost effective means of expanding the channels support when you are ready.



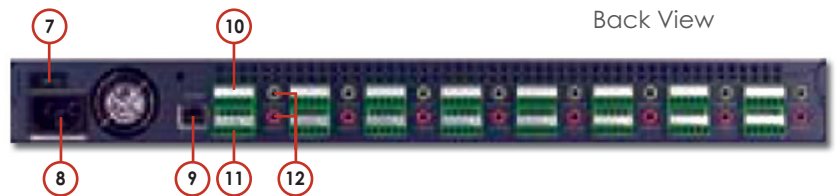
- MPEG-4 ASP compliant compression
- Full D1 or CIF resolution at 30/25 FPS
- QoS enabled (L3) video streaming
- Digital time code embedded per channel
- Isolated digital input and output pairs per channel
- Serial ports (RS-485 or RS-232 or RS-422) per channel
- Two way audio ports per channel
- 1U form factor for rackmount

### 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 Channel number
- 2 Video input
- 3 Power LED
- 4 LAN LED
- 5 RS-485 LED
- 6 Reset button
- 7 Power switch
- 8 AC power input
- 9 Ethernet port
- 10 Digital input & digital output
- 11 Serial port
- 12 Audio input/output



# the i-Volution™ 3801

## MULTI-PORT ENCODER

### Video (Compression)

Compression	MPEG-4 ASP compliant
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) (per channel)
Bit Rate	28 K - 3 M bps (per channel)
Image Frame Rate	30 fps at full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL) (per channel)
Multi-stream	Up to 4 configurable streams per channel

### Video Input

Composite Input	8, CVBS, 1.0Vp-p with 75 Ω loading, BNC connector
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### Video Output

Composite Output	N/A
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### Audio Input

Compression	8 kHz, Mono, PCM
Audio Line Input	8, Unbalanced, 1.4 Vp-p, 1 Vrms, 3.5 mm Phone Jack

### Audio Output

Compression	8 kHz, Mono, PCM
Audio Line Output	8, Unbalanced, 1.0 Vp-p, 1 Vrms, 3.5 mm Phone Jack

### Alarm

Input	2, TTL, terminal block (per channel)
Output	2, TTL, terminal block (per channel)

### Data

Interface	RS-485: half duplex, terminal block RS-422: full duplex, terminal block RS-232: full duplex, terminal block (per channel)
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### External I/O

Reset Button	Factory Default
LED	System Status (per channel)

### Network

Ethernet	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	5 ~ 50° C (40 ~ 122° F)
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### Power

Requirement	AC 100 - 240 V 50/60 Hz
Consumption	300 W

### Physical

Dimensions	434 mm x 236 mm x 44.3 mm (17.09" x 9.295" x 1.744")
Weight	4.2 Kg



Impath Networks Ltd. 1431 Merivale Road, Ottawa, Ontario, Canada K2E 1B9  
Phone:613.226.4000 Fax:613.226.4602 [impathnetworks.com](http://impathnetworks.com)

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