INTERNATIONAL DATACASTING

Event Manager™

Audio System

The Event Manager injects frame accurate queues (triggers) into audio IP stream required for commercial insertion, triggering of stored program playback, channel changes and much more.

Applications

- Professional Audio Networks
- RTP/IP based audio delivery

Features

- Injects frame accurate queues (triggers) into audio IP stream required for:
  - Commercial insertion
  - Triggering of stored program playback
  - Channel changes
- Provides Audio 1:1 channel redundancy
- Creates EPG (Electronic Programming Guide) for SuperFlex Pro Audio receivers
- 8 TTL inputs
- Meta/PAD/RDS data input
- Additional in-line FEC (optional)
- LCD/Keypad
- Terminal Interface

The RTP stream output from the audio encoder at the configured data rate is intercepted by Event Manager and the appropriate action triggers, relay contact closure including RDS data and metadata information are injected into the RTP header in real time.

Action triggers received from IDC's Production Managers are frame accurately injected into the audio IP streams RTP headers to allow for seamless transitions for commercial insertions (copy split), channel changes and play lists.

Relay contact closure events can be input to Event Manager using the front panel, terminal interface, LAN connection, or parallel port. RTP packets from the audio encoder arrive at one of Event Manager's Ethernet interfaces. Contact closure and metadata information is added to these packets using a RTP header extension, and the resultant packets are output via Event Manager's other Ethernet interface.

Contact closure information may be received from either the Event Manager host's parallel printer port or via UDP. A RTP header extension is added to RTP packets passing through Event Manager regardless if their contact closure information and metadata is available. This helps to ensure consistent spacing between the outgoing packets.

Event Manager is also capable of providing an additional layer of audio Forward Error Correction (FEC) that can allow the receive site to withstand several seconds of satellite reception interruption and without missing a single frame of audio.

Event Manager publishes an Electronic Channel Guide.

TECHNICAL SPECIFICATIONS—Event Manager

FRONT PANEL INDICATORS
LCD/Keypad interface, providing monitor and control functions for setup of the unit

REAR PANEL INDICATORS
• Keyboard/Monitor/Mouse for local console use • 1 Serial terminal interface port • 1 Parallel port for 8 relay control input • 3 Ethernet 10/100 Base-T ports • 1 USB ports for future options

POWER REQUIREMENTS	
Supply Voltage	100 to 240 VAC ± 10%, 50 or 60 Hz
Power Consumption	25 Watts maximum
PHYSICAL PARAMETERS	
Chassis	1RU rackmount
Dimensions (H, W, D)	4 cm x 48 cm x 36 cm (1.5" x 18.8" x 14")
Weight	7 kg (15.4 lbs.)
ENVIORNMENTAL CONDITIONS	
Operating Temperature	0° to 50° C (32° to 122° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)

International Datacasting Corporation is a technology provider for the world's premiere broadcasters in radio, television, data and digital cinema. IDC's products and solutions are in demand for radio and television networks, targeted ad insertion, digital cinema, 3D live events, VOD, and IPTV. IDC is headquartered in Ottawa, Canada, has installations in over 100 countries, and a strong world-wide network of value-added partners and distributors. For more information visit: www.datacast.com.

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