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## News Release

### IT'S A WINNER: Hitachi's NEW Ultra Low Delay HD Codec



Hitachi new HU-200EI/DI Ultra Low Delay HD Codec has won a prestigious PICK HIT award from *Broadcast Engineering Magazine* following its high profile launch at IBC 2010. See this unit at Stand No: S2-A21 during CABSAT MENA 2011.

The 1080i codec features network video transmission utilising H.264/MPEG-4 AVC technology. It has a high 4:2:2 chroma resolution and 10 bit pixel depth. Perfect for real-time video relay systems it has a delay time of 8ms (59.94Hz field rate and DVB-ASI out mode) making it a great choice for a sports or news camera. The HU-200EI/DI codec is an ideal choice for high quality HD ultra low delay video, IP network transmission and DVB-ASI systems.

Paddy Roache, Director and General Manager of Hitachi Kokusai Europe, was understandably pleased to receive the award. He said: "There have been a multitude of products launched over the last year, so it is hugely satisfying to know that our new Ultra Low Delay HD Codec caught the eye of the team at *Broadcast Engineering*. Hitachi has been leading the way in broadcasting technology for 100 years – and this award underpins our commitment to excellence in everything we do."



#### Features and Specifications

- Compact ultra low delay 1080i HD codec (8ms\*)
- H.264/MPEG-4 AVC high quality HD video coding
- 4:2:2 chroma resolution, 10bit pixel depth
- High TS bit rate up to 200Mbps for broadcast studio camera quality
- Gigabit Ethernet with Pro-MPEG FEC

Video Input / Output	HD-SDI (1080i 59.94/50)
Video Coding	H.264/MPEG-4 AVC High 4:2:2 profile: ISO/IEC 14496-10
Chroma resolution	4:2:2
Pixel Depth	10bit
Delay time	8ms <sup>1</sup> / 10ms <sup>2</sup> ; less than half field period
Audio Input/Output	SMPTE299M (Embedded Audio) ; up to 4 stereo channels
Audio Coding	SMPTE302M (Linear PCM)
Stream Output/Input	MPEG-2 Transport Stream over RTP/UDP/IP <sup>3</sup> Gigabit Ether ports (100Base-Tx / 1000 Base-T) MPEG-2 Transport Stream over DVB-ASI
TS Bit Rates	24~200Mbps@204Byte, 22~184Mbps@188Byte (Internal Setting External Clock to Encoder <sup>4</sup> )
Network Function	ProMPEG-FEC, SNMPv2 Control/F (10/100 Base)
Operating Temperature	-10°C to +40°C
Dimensions (W x H x D)	8.3" x 1.6" x 11.0" (210 x 42 x 270 mm)
Power	AC 100V~240V
Power	Consumption HU-200EI : 27W / HU-200DI :27W

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<sup>1</sup> 59.94Hz field rate and DVB-ASI out mode

<sup>2</sup> 50Hz field rate and DVB-ASI out mode

<sup>3</sup> 188Byte fixation in the IP setting

<sup>4</sup> No IP output signal in the external clock mode