

## DCH-5000EC

### DVB (H.264) Encode & Transcoder

DCH-5000EC is the latest successive version of H.264/AVC Encoder plus the MPEG-2 to H.264/AVC Transcoder. Integrated with the TSoIP board, the 5000EC accepts TS over IP or ASI input for transcoding, or alternatively accepts HD-SDI, HDMI or YPbPr input for encoding, the final output is available in IP or ASI format. With extraordinary picture quality and significant bandwidth liberation, DCH-5000EC is the best choice for higher performance encoding and migration from MPEG-2 to H.264.



### Features

- \* H.264/AVC (MPEG-4 part 10), High profile, Level 4.0, 4:2:0 Chrominance sampling
- \* TS to TS Transcoding MPEG-2 HD to H.264 HD/SD, or MPEG-2 SD to H.264 SD
- \* MPEG-1 Audio Layer1 & Layer2 encoding
- \* 1x Dolby Digital (AC-3) or 1x MPEG-1 audio pass through transcoding
- \* Supports full HD 1080i encoding
- \* Extensive video pre-processing solutions
- \* Best possible picture quality from 2.0 Mbit/s to 20 Mbit/s
- \* 1x Stereo pair analogue XRL Balance audio input, or digital AES/EBU audio input option
- \* HD-SDI, HDMI, YPbPr/RGB video input interface
- \* Full-Duplex TS over IP I/O, RTP protocol ready for Unicast and Multicast (does not require external encoder)
- \* ASI input and output
- \* SNMP Ethernet Management

### Specifications

Video Input and Compression	
Video input interface	HD-SDI, HDMI, YPbPr, RGB
Video Compression	H.264 High Profile / Level 4.0 Half-Duplex Codec
Bit rate	20Mbps (max.)
Frame rate	1fps-25/30fps
Resolution	1920×1080×60i/50i, 1440×1080×60i/50i, 1280×720×60p/50p, 720×480×60i, 720×576×50i
Audio Input and Compression	
Audio input Interface	Stereo RCA female, 600 ohm
Audio Compression Format	MPEG-1 Audio Layer 1&Layer2 encoding Dolby Digital(AC-3) pass-through
<b>TS I/O</b>	
ASI Input	BNC×1, 75ohm
MPEG over IP	10/100Mbps T-base, RJ45, RTP over UDP/TCP, Unicast or Multicast

\*Specifications are subject to change without notice\*

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[WWW.PBI-CHINA.COM](http://WWW.PBI-CHINA.COM)



地址: 北京市海淀区苏州街75号鼎钧大厦401室  
邮编: 100080 E-mail: [mkt@pbicn.com](mailto:mkt@pbicn.com)  
电话: 010-82617178  
传真: 010-82610263

Room 401, Bld.Dingjun Dasha, No.75 SuZhou Street,  
Haidian District, Beijing, China, 100080  
Tel: +86-10-82617178  
Fax: +86-10-82610263

ASI output	BNC × 1, 75ohm
<b>Operation Environment</b>	
Operating Temperature	0~45℃
Humidity	< 85%, Non-condensed
Power supply	AC 90~260V 50Hz/60Hz 15W
Dimensions	240mm×440mm×44mm
Net weight	3Kg
Storage Temperature	-20~70℃

## Typical Application



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地址：北京市海淀区苏州街75号鼎钧大厦401室  
邮编：100080 E-mail: [mkt@pbicn.com](mailto:mkt@pbicn.com)  
电话：010-82617178  
传真：010-82610263

Room 401, Bld.Dingjun Dasha, No.75 SuZhou Street,  
Haidian District, Beijing, China, 100080  
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Fax: +86-10-82610263