

IP Digital TV Trans-coder

Model: DIH-4000V



Main Feature:

- Video compliant with H.264/AVC Baseline, Main & High Profile @ L4.1 or less & MPEG-2 MP@ML
- Audio compliant with MPEG-1 Layer II Audio, MPEG2 AAC transcoding
- Up to 4 H.264 HD or 16 H.264 SD IP trans-coding
- Real-time program bit rate monitoring, TS packet error count, PSI/SI analysis, and CPU utilization monitoring, CPU temperature monitoring
- Supports IP Re-multiplex, PSI/SI editing, PID pass through/re-mapping, and PCR automatic correction
- Trans-coding statistics real time report including trans-coding bit rate, network data path..., etc
- Separated TS/IP ports and management port ensure system security
- Remote management over Web GUI
- Supports 1:N backup control



Technical Specification:

| TS/IP Input | |
|---------------------------------|---|
| Input Interface | RJ45 x2pcs, Full Duplex,1000M/100M/10M |
| TS/IP Input Bit Rate | 1200Mbps Max. for one individual port in duplex mode (Input bit rate + output bit rate), (for example 900Mbps in, 300Mbps out) 2.4Gbps Max. totally when 2 ports are used 900Mbps Max. for any port any direction |
| Protocol | UDP, ICMP, IGMP V1, V2, V3, RTP, HTTP, RTSP, FTP, RTMP, HLS (Http Live Streaming) |
| IP addressing | Unicast, Multicast |
| Video/Audio Format for Decoding | |
| Video Format | MPEG-2, MPEG-4, H.264 |
| Audio Format | MPEG-1, MPEG-2, MPEG-4, AAC |
| Transcoding Source | Local Video files or IP streaming |
| Video/Audio Format for Encoding | |
| Video Format | MPEG-2/ H.264 |
| Audio Format | MPEG-1 Layer 2, MPEG-2 AAC, |
| Package Format | MPEG-TS |
| Video Resolution | 1920*1080, 1280*720, 720*576, 720*480, 704*576, 704*288, 640*480, 544*576, 480*576, 480*320, 360*320, 352*576, 352*288, 320*240, 320*200, 240*160, 176*144, 128*96 |
| Video Aspect Ratio | 4:3, 16:9 |
| Video Frame Rate | 29.97fps, 25fps, 24fps, 23.97fps |
| Video Bit Rate | User configurable, recommended values: SD : High(800kbps), Medium(600kbps), Low(500kbps) HD: High(1800kbps), Medium(1500kbps), Low(1200kbps) |
| Audio Sampling Rate | 32 KHz, 44.1 KHz, 48 KHz |
| Audio Bit Rate | 32kbps, 64kbps, 128kbps, 192kbps, 256kbps, 384kbps |
| Re-Multiplexing | |
| Formats | SPTS / MPTS |
| Null Packet process | Null packet pass thru, auto insert or filtering |
| TS Editing | PSI/SI editing Service editing PID pass through / remapping PCR auto-correction |
| Maximum bit rate | 100 Mbps per port |
| Maximum TS count | 200 input TS Streams + 200 output TS Streams (with transcoder function disable) |
| TS/IP Output | |
| Interface | RJ45 x2pcs, Full Duplex, 1000M/100M/10M |
| TS/IP Output Bit Rate | Please refer to the TS/IP input Bit Rate above |
| Protocol | UDP, RTMP, HLS, FTP, RTP(transcoder function disable, for mux only) |



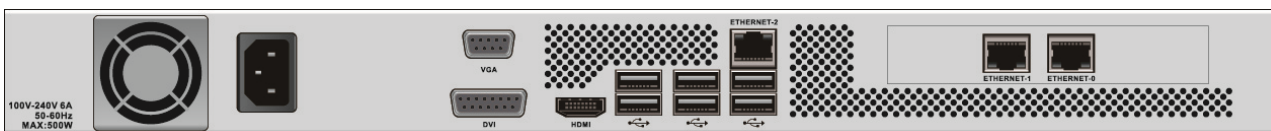
IP Digital TV Trans-coder

DIF-4000V

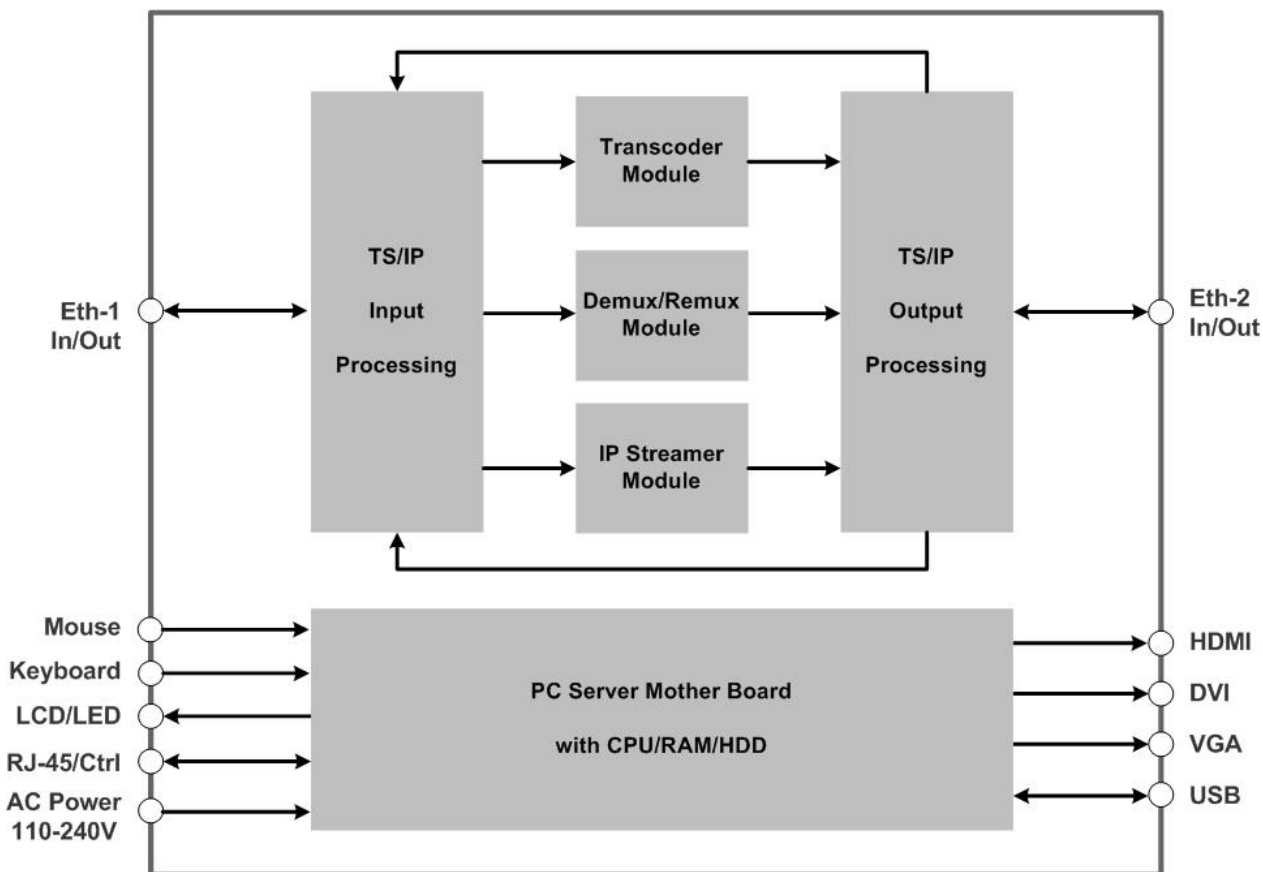


| | |
|---------------------------------|----------------------------|
| IP addressing | Unicast, Multicast |
| Type | IP Streaming or File |
| Control & Monitoring | |
| Interface | RJ45 x1pcs, 1000M/100M |
| Remote Control | HTTP Web GUI |
| Physical | |
| Power Supply | AC 110V~240V, 6A, 47~63Hz, |
| Power Consumption | Max.350W |
| Operation Temperature | 5~45 °C |
| Storage Temperature | -10~65 °C |
| Operating Humidity | 10 ~ 90%, non-condensed |
| Dimension | 430mm*335mm*44mm |
| Weight | 3Kg |

Back Panel Interface:



Block Diagram:



www.dh-tv.com

Address: No.3 Feng Zhi East Road, Xi Bei Wang Town, Hai Dian District, Beijing, 100094, China
Telephone: (+86)010-57802000, **Email:** support@dh-tv.com

