



General:

The DCH-6000P is the newest model and flagship of PBI's IRD product family. It provides operators an ideal solution for receiving, remultiplexing, descrambling and decoding operations, supporting all MPEG profile from Main to High including 4K*2K@60fps 10bit. Equipped with a variety of inputs, it ensures compatibility with all transmission media. The DCH-6000P's remultiplexing capabilities enable creation of new transport streams that are subsets of the original stream. Customized services may be output as multiple SPTS or MPTS over IP, as well as over ASI. By the dual DVB common interfaces, DCH-6000P could decrypt multiple services in one transport stream or two. DCH-6000P is also a professional IRD that features a broadcast quality decoder for 4:2:0 of MPEG-2, MPEG-4/AVC and HEVC/H.265 in both Standard Definition, High Definition and UHD formats, and provides a variety of industry standard digital and analog outputs, including CVBS video, AES/EBU Audio, analog Audio, SD-SDI and HD-SDI, frame Synchronization to the external black and burst signal is also available. The unit also performs UHD down-conversion and aspect ratio adaptation of HD programs to generate professional quality baseband analog video and audio outputs for easy integration with existing cable network infrastructure. This all-in-one architecture makes the DCH-6000P an ideal product for distribution and contribution networks.

DCH-6000P

Professional H.265/HEVC IRD and Processor



Features:

- Variety of input options DVB-T/S2/S/C/DTMB/ATSC/ISDB-T, DS3/E3, TS/IP and ASI
- Supports DVB-S2 Input Stream Identifier (ISI, optional) and DVB-T SFN MIP pass through
- Redundant backup among Tuner, ASI and TS/IP with configurable priority
- Maximum supporting 4:2:0 60p 10bit UHD/HD/SD HEVC/H.265, SD/HD MPEG-2 and MPEG-4 AVC/H.264 digital video decoding
- Multiple Analog and Digital Outputs, ASI, CVBS, HDMI, AES/EBU Audio, TS/IP
- Built-in TS re-multiplexer receives from ASI, Tuner and TS/IP Inputs
- 2x DVB-CI Slots, multi-program decryption, BISS-1 and BISS-E decryption
- Frame synchronizes the IRD to the external black and burst reference
- Dynamic PMT detection and automatic updating
- Supports VBI TELETEXT, EBU/DVB Subtitle, Closed Caption, and can be embedded in SDI
- UDP/RTP, Unicast/Multicast, and double full duplex SPTS/MPTS over IP
- Remote Control and Supervision by SNMP, HTTP WEB and Proprietary HDMS software
- One alarm Relay with D-sub 9 male connector
- On Site software update through IP and USB
- RSSI, received Eb/No & BER monitoring
- 1.5" TFT LCD on front panel for monitoring
- Hot-swappable redundant power supply



Back panel Interface (Full option)

