



Product Outline

DHP400A DTV head-end processor is the new generation of intelligent headend processing equipment. This 1-U case comes with 6 independent module slots. Each module can be configured individually based on the applications including encoding, decoding, trans-coding, multiplexing, descrambling and modulating processing and the combination of all these functions. It supports multiple input and output interfaces and signal formats. With its powerful performance and low cost, DHP400A is especially adequate for the new generation CATV system.

Key Fetures

- Support flexible combination of different type of modules
- Support up to 6 modules
- Support 1 ASI output(As copy of One of the IP out from GE1)
- Support IP input and output from GE1 and GE2
- Support Web management, Update via web



Redundancy Power Supply (Optional)
 Two options for redundancy power supply

- ◆ Non-Hot Plugging (option 1)
- ◆ Support Hot Plugging (option 2)

Module Specifications:



DX214B

Module Specifications:

Input: 4 CVBS (DB9 to RCA) or 4 SDI (BNC)
 Output: 1MPTS and 4 SPTS output over UDP/RTP, unicast and multicast

Video Encoding:
 Video format: MPEG-2, MPEG4 AVC/H.264
 Image format: PAL, NTSC SD signal (Only for CVBS input)
 Resolution:
 Input: 720*576 @50i
 Output: 720*576/352*288/320*240/320*180/176*144/160*120/160*90@50Hz
 Input: 720*480 @60i
 Output: 720*480/352*288/320*240/320*180/176*144/160*120/160*90@60Hz
 Rate Control: CBR/VBR
 GOP structure: IPPP, IBPBP, IBBPB, IBBBP
 Video bitrate: 0.5~5Mbps

Audio Encoding:
 Audio format: MPEG1 Audio Layer 2, LC-AAC, HE-AAC
 Sampling rate: 48KHz
 Bits per sample: 32-bit
 Bit-rate: 48-384Kbps each channel
 Support **Logo, Caption, QR Code insertion**

4 HDMI/SDI Encoding Module



DX224V

Module Specifications:

Input: 4×SDI/HDMI (1.4) input, HDCP 1.4

Output: 1 MPTS and maximum 4 SPTS output over UDP/RTP/RTSP

Video Encoding:

Video format: **HEVC/H.265** & MPEG 4 AVC/H.264

Resolution:

HDMI:

3840×2160_30P, 3840×2160_29.97P;

(Encoding 2 CHs per module for H.265, and encoding 1 CH for H.264)

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

(Encoding 4 CHs per module for H.265, and encoding 2 CHs for H.264)

1280×720_60P, 1280×720_59.94P, 1280×720_50P

(Encoding 4 CHs per module for H.264 and H.265)

SDI:

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

(Encoding 4 CHs per module for H.265, and encoding 2 CHs for H.264)

1280×720_60P, 1280×720_59.94P, 1280×720_50P

(Encoding 4 CHs per module for H.264 and H.265)

Input: 1920×1080_60i, 1920×1080_59.94i, 1920×1080_50i

Output: 1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P

(Encoding 4 CHs per module for H.265, and encoding 2 CHs for H.264)

Chroma: 4:2:0

Bit rate: 0.5Mbps~20Mbps (each channel)

Rate Control: CBR/VBR

GOP structure: IBBP, IPPP

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3

Passthrough

Sampling rate: 48KHz

Bit-rate (each channel):

48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC)

18 Kbps~56 Kbps (HE-AAC V2)

Audio Gain: 0~255

4 HDMI Encoding Module



DX224H/HV

Module Specifications:

Input: 4×HDMI (1.4) input, HDCP 1.4

Output: 1 MPTS and 4 SPTS output over UDP/RTP/RTSP; IPv4, IPv6 output

Video Encoding:

Video format: **HEVC/H.265** & MPEG 4 AVC/H.264---DX 224H
HEVC/H.265---DX224HV

Resolution:

1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P;

1280×720_60P, 1280×720_59.94P, 1280×720_50P

Input: 1920×1080_60i, 1920×1080_59.94i, 1920×1080_50i

Output: 1920×1080_60P, 1920×1080_59.94P, 1920×1080_50P

Chroma: 4:2:0 Bit rate (each channel): 0.5Mbps~20Mbps (H.265)
4 Mbps~20Mbps (H.264)

Rate Control: CBR/VBR GOP structure: IBBP, IPPP

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3
Passthrough

Sampling rate: 48KHz

Bit-rate (each channel):

48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC)

18 Kbps~56 Kbps (HE-AAC V2)

Audio Gain: 0~255

Support **Logo, QR Code insertion--Optional as per order**

4 CVBS Encoding Module



DX214/DX214A

Module Specifications:

Input: 4 CVBS video, 4 Stereo Audio (DB9 to RCA)

Output: 1MPTS and 4 SPTS output over UDP/RTP, unicast and multicast, SFP/RJ45

Video Encoding:

Video format: MPEG-2 (4:2:0)

Image format: PAL, NTSC SD signal

Input resolution: 720×480_60i, 544×480_60i, 352×480_60i, 352×240_60i,

320×240_60i, 176×240_60i, 176×120_60i, 720×576_50i,

704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i,

176×288_50i, 176×144_50i

GOP structure: IP, IBP, IBBP, IBBBP

Video bit rate: 0.5Mbps~8Mbps per channel

Support CC (closed caption)

Audio Encoding:

Audio format: MPEG-1 Layer 2, DD AC3 (2.0)

Sampling rate: 48KHz

Resolution: 24-bit

Audio bitrate:128/192/256/320/384kbps each channel

Support Logo, Caption, QR Code insertion (for DX214A only)

8 CVBS Encoding Module



DX218S

Module Specifications:

Input: 8 CVBS video, 8 Stereo Audio (DB15 to RCA)

Output: 1 MPTS and 8 SPTS output over UDP/RTP, unicast and multicast, SFP/RJ45

Video Encoding:

Video format: MPEG4 AVC/H.264

Image format: PAL, NTSC SD signal

Resolution: 720×576i, 720×480i

Rate Control: CBR/VBR

GOP structure: IPP

Video bitrate: 1~7Mbps each channel

Audio Encoding:

Audio format: MPEG-1 Layer 2

Sampling rate: 48KHz

Resolution: 24-bit

Bit-rate: 64/128/192/224/256/320/384Kbps each channel

Support Logo, Caption, QR Code insertion (Language Supported: 中文, English,

4 HDMI Encoding Module



DX224S

Module Specifications:

Input: 4*HDMI

Output: 1*MPTS output over UDP/RTP, Unicast/Multicast, SFP/RJ45

Video Encoding:

Video format: MPEG-4 AVC/H.264

Input resolution: 1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,

Output resolution: 1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,

GOP structure: IP...P (P Frame adjustment, without B Frame)

Video Bit-rate: 1Mbps~13Mbps each channel

Rate Control: CBR/VBR

Audio Encoding:

Audio format: MPEG1 Layer II, support audio gain adjustment

Sampling rate: 48 KHz

Resolution: 24-bit

Audio Bit-rate: 64kbps, 128Kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps

Support Logo, Caption, QR Code insertion

2 HDMI Encoding/Transcoding Module

DX202A
Module Specifications:

Input: 2*HDMI, 2*BNC for CC (Closed Caption) input, 4 IP input

Output: 1*MPTS output over UDP, Unicast/Multicast, SFP/RJ45

Video Encoding:

Video format: MPEG2 & MPEG4 AVC/H.264

Input resolution:

1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i,
1280*720_60p, 1280*720_50P, 720*480_60i, 720*576_50i

Output resolution:

1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i, 1440*1080_60i
1440*1080_50i, 1280*720_60p, 1280*720_50P, 720*576_50i, 720*576_50P,
720*576_30P, 720*576_25P, 720*480_60i, 720*480_60P, 720*480_30P,
720*480_25P, 320*240_60P, 320*240_50P, 320*240_30P, 320*240_25P,
320*180_60P, 320*180_50P, 320*180_30P,
320*180_25P, 960*540_50i, 704*576_50i, 704*480_60i,
640*576_50i, 640*480_60i, 544*576_50i, 544*480_60i,

Rate control mode: CBR/VBR

Aspect ratio: 16:9, 4:3 Support CC (closed caption)

Video bitrate: 0.8~19Mbps for MPEG-2/H.264 encoding

Audio Encoding:

Audio format: MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC,

Dolby Digital AC3 (2.0) encoding (Optional); AC3 (2.0/5.1) passthrough

Sampling rate: 48KHz Audio bitrate: 64Kbps-320kbps each channel

Video Transcoding:

2*MPEG2 HD → 2*MPEG2/H.264 HD; 2*MPEG2 HD → 2*MPEG2/H.264 SD;

2* H.264 HD → 2*MPEG2/H.264 HD; 2* H.264 HD → 2*MPEG2/H.264 SD;

4 *MPEG2 SD → 4 *MPEG2/H.264 SD; 4* H.264 SD → 4 *MPEG2/H.264 SD

Audio Transcoding:

MPEG-1 Layer 2, AC3 (Optional) and AAC any-to-any

2 SDI Encoding/Transcoding Module



DX202A-D

Module Specifications:

Input: 2*HD-SDI, 2 IP input

Output: 1*MPTS output over UDP, Unicast/Multicast, SFP/RJ45

Video Encoding:

Video format: MPEG2 & MPEG4 AVC/H.264

Input resolution:

1920*1080_60P, 1920*1080_50P, 1920*1080_60i, 1920*1080_50i,
1280*720_60p, 1280*720_50P, 720*480_60i, 720*576_50i

Rate control mode: CBR/VBR

Aspect ratio: 16:9, 4:3

Video bitrate: 0.8~19Mbps

Support CC (closed caption)

Audio Encoding:

Audio format:

MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC,

Dolby Digital AC3 (2.0) encoding (Optional), AC3 (2.0/5.1) passthrough

Sampling rate: 48KHz

Audio bitrate: 64Kbps-320kbps each channel

Video Tanscoding:

2*MPEG2 HD → 2*MPEG2/H.264 HD; 2*MPEG2 HD → 2*MPEG2/H.264 SD;

2* H.264 HD → 2*MPEG2/H.264 HD; 2* H.264 HD → 2*MPEG2/H.264 SD;

4 *MPEG2 SD → 4 *MPEG2/H.264 SD; 4* H.264 SD → 4 *MPEG2/H.264 SD

Audio Tanscoding:

MPEG-1 Layer 2, AC3 (Optional) and AAC any-to-any


DX902A
Module Specifications:

Stream in: 2 Tuner input, F Type
 Stream out: 1 MPTS output over UDP, Unicast/Multicast, SFP/RJ45
 DVB-CI: 2 independent common interface slots
 Standard: DVB-S/S2/S2X

Tuner Section	DVB-S	Input Frequency: 950-2150MHz Symbol Rate: QPSK0.5~45Mps FEC Demodulation: 1/2, 2/3, 3/4, 5/6, 7/8
	DVB-S2	Input Frequency: 950-2150MHz Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Mps; 32APSK: 0.5~40 Mps FEC Demodulation: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9
	DVB-S2X	Input Frequency: 950-2150MHz Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Mps; 8APSK/32APSK: 0.5~40 Mps FEC Demodulation: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10, 23/36, 25/36, 13/18 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 2/3-L, 32/45, 11/15, 7/9

Signal Strength: -65~ -25dBm

Support Diseqc function

Multiplexing:

Maximum PID Remapping: 256 output pids

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generate PSI/ SI table automatically

Descrambling:

CAM/CI Quantity: 2

BISS Mode: Mode 1, Mode E; up to 120Mbps (Optional as required)

2 Tuner Descrambling Module



DX912

Module Specifications:

Stream in: 2 Tuner input, F Type

Stream out: 1 MPTS output over UDP, Unicast/Multicast, SFP/RJ45

DVB-CI: 2 Independent common interface slots

Standard: DVB-C (J.83 A/C)/J.83B/ DVB-T/ISDB-T switchable

Standard: DVB-C (J.83 A/C); J.83B

Input Frequency: 60MHz~890MHz

Symbol rate: 1000~9000Ksps

Constellation: 16/32/64/128/256 QAM; 64/256 QAM for J.83B

Standard: DVB-T

Frequency In: 60MHz~890MHz

Bandwidth: 5/6/7/8M bandwidth

PLP Index: 0~255 (for DVB-T2)

Standard: ISDB-T

Input Frequency: 60-890MHz

Signal Strength: -65~ -25dBm

Multiplexing:

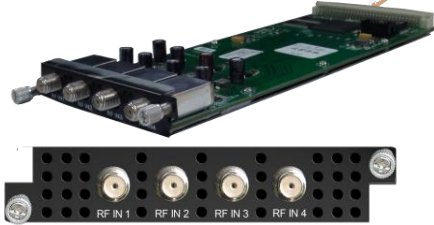
Maximum PID Remapping: 256 output pids

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generate PSI/ SI table automatically

Descrambling:

CAM/CI Quantity: 2

BISS Mode: Mode 1, Mode E; up to 120Mbps (Optional as required)

4 FTA Tuner Module

DX904B
Module Specifications:

Stream in: 4 Tuner input, F Type
 Stream out: 5 MPTS out over UDP, unicast/multicast

Standard: DVB-S/S2/S2X
Tuner Section

DVB-S Input Frequency: 950-2150MHz
 Symbol Rate: QPSK: 0.5~45 Msps
 FEC Demodulation: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-S2 Input Frequency: 950-2150MHz
 Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Msps;
 32APSK: 0.5~40 Msps
 FEC Demodulation: QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
 32APSK: 3/4, 4/5, 5/6, 8/9

DVB-S2X Input Frequency: 950-2150MHz
 Symbol rate: QPSK/8PSK/16APSK: 0.5~45 Msps;
 8APSK/32APSK: 0.5~40 Msps
 FEC Demodulation:
 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20
 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10, 23/36, 25/36, 13/18
 8APSK: 5/9-L, 26/45-L
 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45,
 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90
 32APSK: 3/4, 4/5, 5/6, 8/9, 2/3-L, 32/45, 11/15, 7/9

Signal Strength: -65 ~ -25dBm

Support Diseqc function

Multiplexing:

Max number of managing PID: 256

Function: PID remapping (automatically/ manually), Accurate PCR adjust, PID pass-through

4 ASI/IP Multiplexing Module

Module Specifications:

ASI inputs/outputs: 4 ASI bi-direction, BNC 75Ω

IP inputs/outputs: 2 100/1000M Ethernet Port

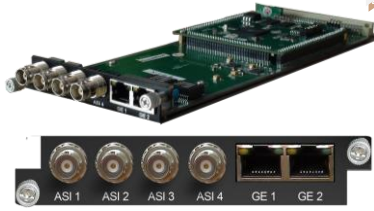
Re-multiplexing: PID remapping, PCR correction, generate PSI/ SI table automatically

Stream In: maximum 4 ASI input, 256×2 IP input

Stream Out: maximum 4 ASI output, 4 IP output

DX504

4/8 CH EAS Multiplexing Module

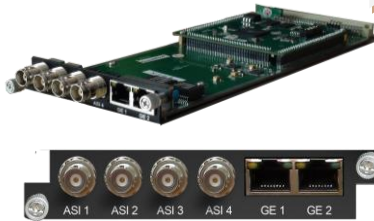


DX504E/DX508E

4/8 CH EAS Multiplexing Module Specifications:

- ASI input: 1 ASI input (SPTS), BNC 75Ω
- IP input: 256 IP input thru 1 GE1 (100/1000M)
- EAS Source: ASI or IP (the 256th IP) (ASI&IP should be SPTS, both can't mux, source Bitrate ≤ 10Mbps)
- Re-multiplexing: PID remapping, PCR correction (only for IP), generate PSI/ SI table automatically
- Stream Out: 4 IP output thru GE1, maximum 16 programs each channel--DX504E
- Stream Out: 8 IP output thru GE1, maximum 8 programs each channel--DX508E

IP Adapter Module



DX514

Module Specifications:

- IP Ports: GE1/GE2 (100/1000M self- adaption)
- IP Input: 10 IP input through GE1/GE2
- IP Output: 10 IP output switch to other module
- ASI Ports: 4 ASI bi-direction, BNC 75Ω
- Select ASI port as input, IP output thru GE1/GE2 as mirror of ASI input
- Select ASI port as output, ASI (1/2/3/4) output as mirror of IP in (IP 1/2/3/4)
- Support PCR correction, **IP De-jitter**
- Suggest match with DX902/DX912 module to descramble IP

IP Multiplexing Module



DX506

Module Specifications:

- IP input: 512 SPTS or MPTS input over UDP, RTP, Unicast and Multicast thru GE1 Ethernet Port (100/1000M)
- Re-multiplexing: PID remapping, PCR correction, generate PSI/ SI table automatically
- IP Out: 512 SPTS output over UDP, RTP, Unicast and Multicast through GE2 Ethernet Port (100/1000M)

16/32 QAM Modulating Module

DX316/DX332
Module Specifications:

Data input: Max 512 IP input over UDP/RTP, 2 GE Ports (RJ45/SFP) (DX316)
 Max 1024 IP input over UDP/RTP, 2 GE Ports (RJ45/SFP) (DX332)
 128 IP input through front panel GE2 port or internal IP output
 Data output: 16 or 32 IP output over UDP/RTP/RTSP, unicast/multicast, 2 GE Ports (RJ45/SFP)
 Trans Rate: Max 840Mbps/GE Port
 RF output (F type): 16/32 channels of multiplexing, scrambling and modulating.

Multiplexing:

Maximum PID Remapping: 180 output pids per channel for DX316. 256 output pids per channel for DX332.

Function: PID remapping (automatically or manually), Accurate PCR adjusting, generate PSI/SI table automatically

Scrambling:

Maximum simulcrypt CA: 4
 Standard: ETR289, ETSI 101 197, ETSI 103 197
 Connection: Local/remote connection

Modulation:

Standard: EN300 429/ITU-T J.83A/B (DVB-C)
 MER: ≥ 40 dB
 RF frequency: 50~960MHz, 1KHz step
 RF output level: -20~+10dBm (87~117 dB μ V), 0.1dB step for all carriers
 Symbol Rate: 5.0Msps~7.0Msps, 1ksps step
 Constellation: 16/32/64/128/256QAM
 DX316 Output: 16 non-adjacent carrier outputs within 192M bandwidth
 DX332 Output: 32 non-adjacent carrier outputs within 384M bandwidth

2 HD-SDI Decoding Module

DX702
Module Specifications:

ASI input/output: 2 ASI bi-direction, BNC 75 Ω
 IP input: 2 IP input
 IP output: 1 MPTS output over UDP, Unicast/Multicast, SFP/RJ45
 Decoding:
 Video/Audio Out: 2 HD/SD SDI output
 Video Format: MPEG-2, MPEG-4 AVC/H.264
 Resolution: 480i,480p,576i,576p,720p@50/59.94/60,1080i@50/59.94/60
 Chroma: 4:2:0
 Audio Format: MPEG1 Layer2, LC-AAC, HE-AAC, AC3 (2.0/5.1), AC3
 Passthrough,
 Support **Dual Audio** Out
 Support CC/Subtitle

4 HDMI Decoding Module



DX714

Module Specifications:

Input: 4 IP (MPTS/SPTS) input from data port over UDP&RTP, Unicast/Multicast

Output: 4 HDMI output

Decoding:

Video/Audio Out: 4 HDMI output with 1 channel stereo audio embedded in each port

Video Format: MPEG-2, MPEG-4 AVC/H.264, HEVC/H.265, AVS, AVS+

Audio Format: MPEG 1 Layer 2, LC-AAC, HE-AAC, AC3 (2.0)

Resolution: 480i, 480p, 576i, 576p, 1280x720_50p, 1280x720_60p, 1920x1080_50i, 1920x1080_50p, 1920x1080_60i, 1920x1080_60p

Support **manually upscale/downscale resolution**

4 HDMI Encoding Module



DX224HS

Module Specifications:

Input: 4*HDMI (1.4) input, HDCP 1.4

Video Encoding:

Video format: HEVC/ H.265, MPEG4 AVC/H.264

Input Resolution	Available Output Resolution
1920x1080P@60/59.94	1920x1080/1280x720/720*576/720*480P@60/50/30/25/24
1920x1080I@60/59.94	1920x1080/1280x720/720*576/720*480P@30/25/24
1920x1080P@50	1920x1080/1280x720/720*576/720*480P@50/30/25/24
1920x1080I@50	1920x1080/1280x720/720*576/720*480P@25/24
1280x720P@60/59.94	1280x720/720*576/720*480P@60/50/30/25/24
1280x720P@50	1280x720/720*576/720*480P@50/30/25/24
720*576I@50	720*576/720*480P@25/24
720*480I@60	720*480P@30/25/24

Chroma: 4:2:0

GOP structure: IP, IBBP, IBBBP

Video Bit-rate: 1Mbps~15Mbps per channel

Rate Control: CBR/VBR

Audio Encoding:

Audio format: MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3 Passthrough

Sampling rate: 48 KHz

Resolution: 24-bit

Audio Bit-rate (per channel):

48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)

24 Kbps~128 Kbps (HE-AAC) 18 Kbps~56 Kbps (HE-AAC V2)

Others: Support Logo, Caption, QR Code insertion

Equipment Specifications:

Base Unit Parameters

Dimension(W×L×H): 482mm×410mm×44mm
Environment: 0~45 °C(work); -20~80 °C(Storage)
Power requirements AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Parameters Comparison:

	DHP400	DHP400A
IP Data Transport	One-way Transport: GE1/GE2 support output maximum 8MPTS & 512SPTS	Bi-directional Transport: GE1/ GE2 support IP data input and output
TS Processing Number	Support 1 TS (MPTS/SPTS) input from each module, and maximum bitrate is 350Mbps	Support maximum 512 TS (MPTS/SPTS) input from each module, and maximum bitrate is 350Mbps
Multiplexing	Support multiplexing function: It can multiplex TSs from different modules to one TS and output through one module or GE1/GE2 port	Doesn't support multiplexing function: It can combine TSs from different modules and output these TSs through one module or GE1/GE2 port
Output Per Module	1 MPTS after multiplexing	1 or multiple MPTS/SPTS

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