



## DHP300 Head-end Processor Overview



**DEXIN DIGITAL TECHNOLOGY CORP. LTD.**



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# Chapter 1 Product Overview

## 1.1 Outline

DHP300 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, demodulating, 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, DHP300 is especially adequate for the new generation CATV system.

## 1.2 Features

- Support flexible combination of different type of modules
- Support up to 6 modules
- Support 2 GE input/output and 2 SFP /SFP+(1G/10G optional) input/output, Unicast/Multicast, RJ45/SFP+ interface
- Support Web management, Updates via web
- Single or Redundancy power supply for option

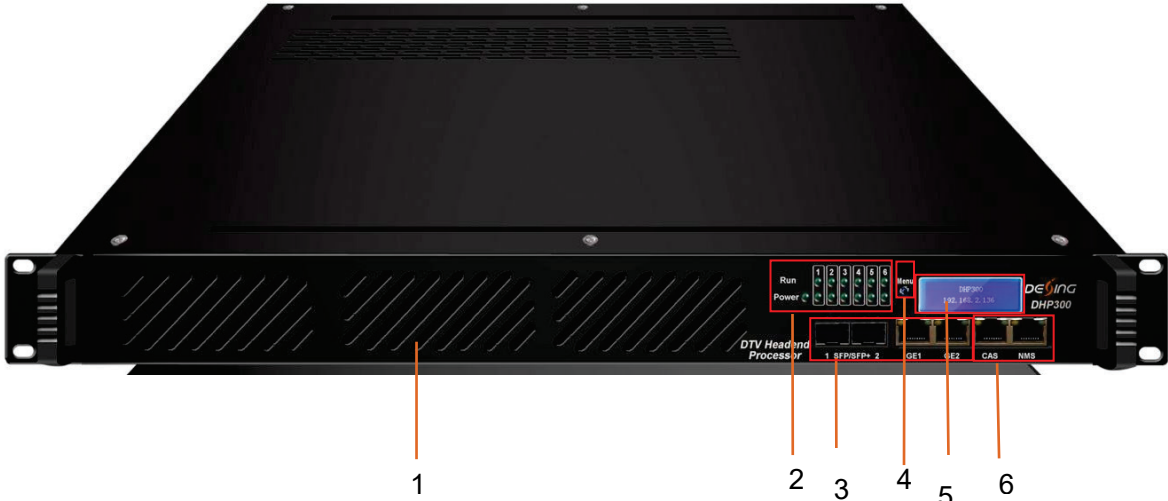
## 1.3 Specifications

(For each module's parameters, please see DHP300 Head-end processor SPEC)

# Chapter 2 Physical Presentational Statement

## 2.1 Appearance and Description

Front Panel Illustration



1	Air Vent
2	Indicators
3	2 GE input/output and 2 SFP /SFP+(1G/10G optional) input/output
4	Menu: Click it to check the NMS IP address
5	LCD (showing NMS ip address only)
6	NMS: network management system /CA communication, Ethernet interface

1U chassis support up to 6 modules, users can freely select different module types and freely exchange modules' position, and here we just take one case as an example.

## Rear Panel Illustration



### Module Illustration:

DX504 4 ASI/IP Multiplexing Module

DX515I IP Switcher Module



DX506 IP Multiplexing Module



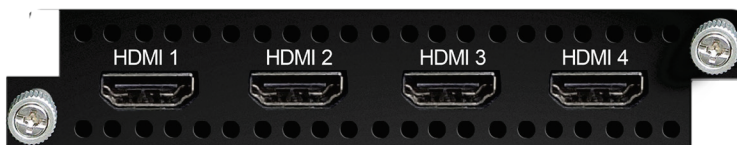
DX214/DX214A 4 CVBS Encoding Module



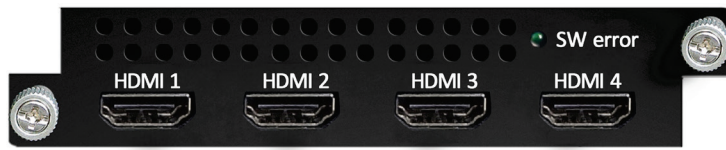
DX218S 8 CVBS Encoding Module



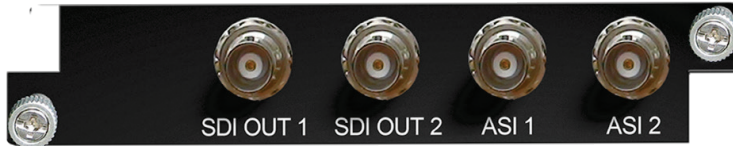
DX224/DX224S 4 HDMI Encoding Module



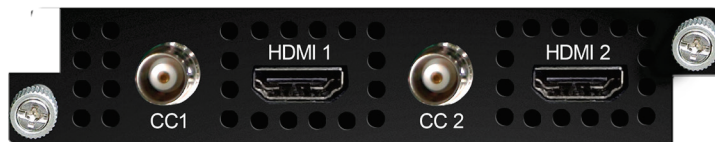
DX224V 4 HDMI Encoding Module



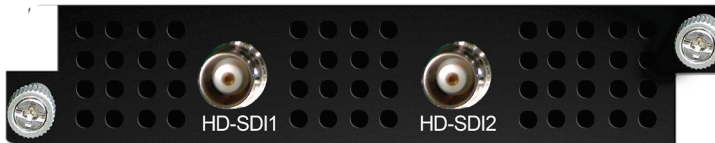
DX702 2 HD-SDI Decoding Module



DX202A 2 HDMI Encoding/Transcoding Module



DX202A-D 2 SDI Encoding/Transcoding Module

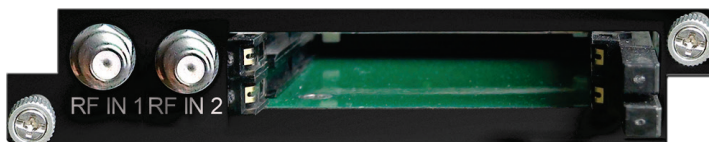


DX316/332 16/32 QAM Modulating Module

DX306I 6 ISDB-Tb Modulating Module



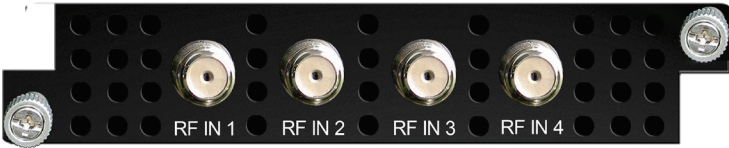
DX902A 2 Tuner(DVB-S/S2/S2X) Descrambling Module



DX912 2 Tuner (DVB-C) Descrambling Module



DX904B/C 4 FTA Tuner(DVB-S/S2/S2X) Module



DX924 4 FTA Tuner (DVB-C(J.83 A/C)/J.83B/ DVB-T/T2/ISDB-T) Module

