

# Specifications

- Processor: Sigma Designs 8670/8671 – The very latest high powered solution from Sigma Designs
- RAM: 256 MB
- Flash memory: 128 MB, expandable with USB flash drive
- Digital terrestrial TV support (internal or external USB module)
- Media sources: External HDD (USB), External optical drive (USB), USB devices (USB flash drive, USB card reader, etc), PC and NAS in local network (SMB, NFS, UPnP, HTTP), other Internet and local network media sources (HTTP, multicast UDP/RTP), Premium streaming video services are fully supported
- Web browser: NetFront (ACCESS) or WebKit
- Widgets support when using NetFront browser
- HbbTV and iPlayer support when using NetFront browser
- Full DLNA (1.5 or 2.0) standard support
- Adobe Flash 3.1 (Lite, standalone)
- DRM options: Microsoft DRM10 and PlayReady, Verimatrix, Secure Media, Flash Access (Support coming soon). Additional DRM's available by request
- Video codecs: MPEG2, MPEG4, XVID, WMV9, VC1, H.264; support for very high bit-rate video (> 50 MBit/s)
- Video file formats: MKV, MPEG-TS, MPEG-PS, M2TS, VOB, AVI, MOV, MP4, QT, ASF, WMV, BDMV, DVD-ISO, VIDEO\_TS
- Video output modes: wide range of supported output resolutions (up to 1080p) and frame-rates (including 23.976p, 24p, PAL, NTSC)
- Video output frame-rate: automatic (according to the played content) and manual
- Audio codecs: AC3 (Dolby Digital), DTS, MPEG, AAC, LPCM, WMA, WMAPro, EAC3 (Dolby Digital Plus), Dolby True HD, DTS HD High Resolution Audio, DTS HD Master Audio, FLAC, multi-channel FLAC, Ogg/Vorbis; support for very high quality audio (up to 192 kHz / 24-bit)
- Audio file formats: MP3, MPA, M4A, WMA, FLAC, APE (Monkey's Audio), Ogg/Vorbis, WAV, DTS-WAV, DTS, AC3, AAC
- HD audio support: pass-through (up to 7.1 channels) and decoding (2.0 channels output) of Dolby TrueHD and DTS HD MA audiotracks (Blu-ray, TS, MKV), pass-through (up to 7.1 channels) of multichannel LPCM audiotracks (Blu-ray, TS, MKV), decoding (up to 2.0 channels) of FLAC audiotracks (MKV, external)
- Subtitle formats: SRT (external), SUB (MicroDVD) (external), text (MKV), SSA/ASS (MKV, external), VobSub (MP4, MKV, external SUB/IDX), PGS (Blu-ray, TS, MKV)
- Picture file formats: JPEG, PNG, BMP, GIF
- Playlist file formats: M3U, PLS
- Photo viewer functions: slideshow, transition effects, picture rotation, zoom, browse playlist, repeat, shuffle
- Audio playback functions: browse playlist, repeat, shuffle, ID3 tags, plasma TV burn-in prevention
- File systems: FAT16/FAT32 (read-write), EXT2/EXT3 (read-write), NTFS (read-write)
- Ethernet: 10/100 Mbit/s (1Gb/s for TV-301)
- WiFi: (optional) may be included inside (802.11n) with external antenna or added via USB dongle (not included, Dune HD Air recommended)
- Dune Network Playback Accelerator: special optimizations ensuring best-in-class network playback performance for the Sigma Designs 864x-865x-867x platform and enabling smooth playback of any supported kind of media content via any network protocol (including NFS and SMB) even in 100 Mbit/s Ethernet networks.



[www.dune-hd.com](http://www.dune-hd.com)

 **DUNE HD TV**



**Universal media players and STBs**  
**for retail, IPTV, VoD and OTT services**

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# Advantages to the Operator

## Technological advantages

Based on market analysis, universal digital media players and hybrid devices are in high demand by end-customers. Customers are not willing anymore to choose a single function IPTV STB without extra features such as playback of video, audio and photo formats, support for network-based digital content and premium Internet-streaming VoD or SVoD services.

In distinction from most IPTV STBs, all Dune HD products are full HD 1080P devices with expanded network file playback support of nearly any modern digital format via frequent firmware updates. All Dune HD players are fully certified and licensed for all formats they support.

## Wide range of customization options

Software: HDI Dune offers Operators options for integration and customization, such as use of fully compliant Web browser(s), and Flash or thick client approach with native integration to all Dune HD players GUI.

Hardware: by request there is an option to add digital terrestrial TV support as well as internal Z-Wave wireless interface module.

## Ready-to-go customer base

With more than a half million units sold world wide, HDI Dune offers a ready-to-go customer base with the ability to add services to products already sold using HDI Dune's automated firmware update system.

## Convenient buying model

Operators may choose to work directly with existing sales channels of HDI Dune by simply specifying to their customers where to buy the players that are compatible with their service. Or to participate in the profit potential, progressive Operators may order Dune HD models directly from HDI local representative offices or distribution companies for resale to their customers. Either way, unlike traditional OEM models, there is no need to commit to large MOQ's. HDI Dune allows an Operator to start small and build as your business grows.

## Higher margins for Premium-class models

HDI Dune allows Operators to obtain higher margins on top-rated products in contrast to low-priced commodity-based IPTV set-to-boxes because of the wide model ranges available. In addition to low-cost IPTV players, HDI Dune offers a range of hybrid solutions with support for Blu-ray and digital terrestrial TV that allows Operators to offer more value and earn greater margins.

## Let Dune sell your service for you

Existing chain store sales and e-commerce sales channels provide the option to cover most retail markets in many countries. Additionally, it is possible to sell the player with pre-installed service and offer upgrades for existing players sold.

Let HDI Dune be your sales channel if you don't want to deal with client devices on your own.

# Dune HD TV series Media players



## Dune HD TV-301

- Full HD (1080p) support
- 2,5" HDD rack with hot-swap function
- Internal SD Card Reader
- Versions with internal digital terrestrial TV tuner
- USB 3.0 Slave
- 1Gb/s Ethernet support
- Version with integrated WiFi 802.11 b/g/n
- Dune HD Qwerty support
- IP control functionality
- Media player functionality
- Full support of IPTV, VoD and OTT services
- SIP support
- Interactive TV features (with feedback)
- Support of Video Calls
- 3D Video (side-by-side ) support
- Flash games support
- Widgets support (e.g. Weather forecast)
- Integrated Web Browser

## Dune HD TV-101

- Ultra compact size
- Affordable price
- Full HD (1080p) support
- Digital terrestrial TV support (optional)
- Fast Ethernet support
- Version with integrated WiFi 802.11 b/g/n
- Dune HD Qwerty support
- IP control functionality
- Media player functionality
- Full support of IPTV, VoD and OTT services
- SIP support
- Interactive TV features (with feedback)
- Support of Video Calls
- 3D Video (side-by-side ) support
- Flash games support
- Widgets support (e.g. Weather forecast)
- Integrated Web Browser

