Key Features

- Hi-end media processor: Sigma Designs SMP8758 chip from the famous vendor of high-end media processors, with the new Dual Core ARM CPU (4x more power than before)
- 4K video playback: Decode 4K video content in various popular formats (including H.265 10-bit) (up to 4Kp30)
- 4K video output: Output 4K content with pixel-to-pixel precision to 4K TV
- SD/HD to 4K conversion: Automatically increase resolution of SD/HD content to 4K
- VXP: Professional-grade video processing engine for the best possible picture quality of any content
- HEVC: Play video encoded using the latest H.265 codec (2x picture quality increase over H.264)
- 10-bit color encoding: Play video encoded using the newest 10-bit H.265 standard
- Blu-ray menu: Enjoy full Blu-ray menu navigation or use simple BD Lite menu at your discretion
- True 24p output: Ensure perfectly smooth playback of Hollywood movies due to full support for 24p (23.976) framerate
- Advanced media player: Play video in MKV and other modern video file formats, including top quality 4K and HD with very high bit rates (100 Mbit/s+)
- 3D video: Play all popular 3D video formats, including MVC, SBS, Top/Bottom
- HD audio: Output studio-quality high definition audio tracks (Dolby TrueHD, DTS HD MA) to your A/V receiver
- Dolby Atmos 3D audio: Enjoy the newest 3D audio format from Dolby using Dolby Atmos pass-through capability
- Hi-End music: Play very high-quality (up to 192 KHz / 24-bit and DSD512) music files in various Hi-End audio formats (FLAC, Monkey's Audio APE, WAV/PCM, Super Audio CD, etc)

- Super Audio CD: Play top quality SACD music files in various formats (ISO, DFF, DSF; stereo DSD, multichannel DSD, stereo DST)
- Network player: Connect to local network and play content directly from PC or NAS via UPnP/DLNA, SMB, or NFS
- HDD player: Play content from any HDD (internal, USB, NAS) of any size (including the newest 6TB+ HDD models)
- Two HDD racks with hot-swap function: Easily and quickly insert and exchange internal 3.5" SATA HDDs for nearly unlimited storage capacity expansion
- Silent cooling: Enjoy efficient and silent cooling of your internal HDDs due to 120mm high-end ultra-low-noise fan
- Built-in storage: 8GB flash memory for applications and system needs
- USB ports: Conveniently connect USB HDDs, USB flash drives, USB card readers, USB hubs and other USB devices
- SD card slot: Conveniently use SD memory cards
- Full range of A/V output connectors: HDMI output, S/PDIF optical audio output, S/PDIF coaxial audio output, analog stereo audio output, composite video output
- 1Gbit Ethernet port: Ensure the best performance when connecting to your local network via cable
- 802.11ac Wi-Fi with both 2.4 and 5.0 GHz support and 2T2R (two antennas): Ensure the best performance when connecting to your local network via air
- DVB-T/T2/C tuner (option): Watch and record digital terrestrial or cable TV channels (free-to-air broadcasts) with up to 4K video resolution and HEVC support
- IR extender: Easily organize hidden installation of the media player when needed via included external IR eye
- Control4: Integrate seamlessly into Smart Home installations based on Control4 technology via ready-to-use Control4 driver
- Z-Wave (option): Use built-in Z-Wave controller to build your Smart Home based on Z-Wave technology

Audiophile Features

- Audiophile-grade audio DAC: Enjoy audio quality of the famous ESS SABRE32 Reference DAC (ES9018K2M)
- Dual audio output: Use standard stereo RCA connectors or balanced XLR connectors
- XLR balanced stereo output: Use professional ultra-low-noise analog audio connection
- Galvanically isolated connectors: Benefit from reduced noise and jitter on all S/PDIF digital audio connectors
- Audio inputs: Use Duo 4K as a high-quality audio DAC by connecting external digital audio sources via S/PDIF or (optionally) USB

Other Features

- IPTV: Watch and record IPTV channels
- Internet radio: Listen and record Internet radio stations
- Applications: Easily install various applications and plugins with additional functionality from Dune Store or third parties
- File browser: Convenient file browser with powerful file management features (copy, move, delete, rename, organize, sort)
- Playlists: Build playlists from folders or use your own playlists, with repeat and shuffle functions
- Jukebox: Use various Jukebox applications to organize your media collection into a convenient user interface with cover-art browsing
- Customizable user interface: Enjoy a variety of user interface skins, customization options and Jukebox applications
- Internet browser: View Internet web sites on your TV using the built-in web browser
- HLS: Ensure the best quality of Internet video using Apple HLS adaptive bitrate streaming protocol
- DASH: Get access to the newest Internet video services using MPEG-DASH adaptive bitrate streaming protocol
- Video output flexibility: Output video in any resolution (from SD to 4K) and framerate (from 24p to 60)

- Video upscaling: High-quality upscaling of DVD and any other SD video content to 4K, Full HD (1080p) and other HD resolutions
- Auto framerate: Output video with original framerate to ensure absolute smooth playback for all kinds of content
- Auto resolution: Get maximum possible video quality when connecting to advanced TV / video processing equipment
- Dune Network Playback Accelerator: Special optimizations ensuring best-in-class network playback performance and enabling smooth playback of any supported kind of media content via any network protocol (including NFS and SMB)
- Built-in NAS function: Access files on attached storage devices (HDD, USB drive, etc) from local network (via SMB, FTP, UPnP/DLNA)
- Wi-Fi access point: Use media player as a Wi-Fi access point and Internet router
- IP control: Control media player from PC or iOS/Android mobile devices and integrate with various Smart Home environments
- iOS and Android apps: Use a variety of available companion applications for iOS/Android mobile devices

Specifications

- Media processor: Sigma Designs SMP8758
- RAM: 2GB
- Flash memory: 8GB
- Connectors: 3xUSB host, SD card slot, HDMI output, optical S/PDIF audio output, coaxial S/PDIF audio output, composite video output, RCA stereo audio output, XLR balanced stereo audio output, coaxial S/PDIF audio input, USB audio input (option), external IR port, Ethernet (10/100/1000Mbit), two external Wi-Fi antennas, DVB-T/T2/C RF input/output, 100V-240V AC input
- Internal storage: Two internal HDD racks for SATA HDD 3.5", SD card slot
- Media Sources: Internal HDDs (SATA), external HDDs (USB), external optical disc drives (USB), USB devices (USB flash drive, USB card reader, etc), built-in SD card slot, PC and NAS in local network (SMB, NFS, UPnP/DLNA, HTTP), other Internet and local network media sources
- Video codecs: MPEG2, MPEG4, XVID, WMV9, VC1, H.264, H.265, H.265 10-bit; support for very high bitrate video (up to 100 Mbit/s and higher)
- Video file formats: MKV, MPEG-TS, MPEG-PS, M2TS, VOB, AVI, MOV, MP4, QT, ASF, WMV, BDMV, DVD-ISO, VIDEO_TS
- 3D video formats: MVC, Side-by-side, Top/Bottom
- 4K video formats: H.265 up to 4Kp30, H.265 10-bit up to 4Kp30
- Video output modes: wide range of supported output resolutions (up to 1080p60 and 4Kp30) and framerates (including 23.976, 25, 29.97, 50, 59.94)
- Video output framerate: automatic (according to the played content) and manual
- Video output resolution: automatic (according to the played content) and manual
- Video processor: VXP professional-grade video processing engine
- Audio codecs: MPEG-1/2 layer I/II/III, AAC, LPCM, WMA, WMAPro, FLAC, multichannel FLAC, Vorbis, WavPack, APE (Monkey's Audio), ALAC (Apple lossless), SACD (Super Audio CD) (stereo DSD, multichannel DSD, stereo DST), AC3 (Dolby Digital), DTS; support for very high quality audio (up to 192 KHz / 24-bit and DSD512 24.576 MHz); HD audio bitstream passthrough (including DTS HD MA, Dolby TrueHD, Dolby Atmos)
- Audio file formats: MP3, MPA, M4A, AAC, WAV, WMA, FLAC, Ogg/Vorbis, WavPack, APE (Monkey's Audio), ALAC (Apple lossless), SACD (Super Audio CD) (DSF, DFF, ISO), AC3, DTS, DTS-WAV
- Subtitle formats: SRT (external), SUB (MicroDVD) (external), text (MKV), SSA/ASS (MKV, external), VobSub (MP4, MKV, external SUB/IDX), PGS (Blu-ray, TS, MKV)
- Hardware 3D Graphics Acceleration: OpenGL support
- Picture file formats: JPEG, PNG, BMP, GIF
- Playlist file formats: M3U, PLS, CUE
- 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

- Media streaming protocols: DASH, HLS, FTP, MPEG-TS over multicast-UDP, MPEG-TS over multicast-RTP, MPEG-TS over RTSP, MPEG-TS over HTTP, MP4 over HTTP, raw-MP3 over HTTP, raw-AAC over HTTP
- Network file browsing: SMB client and browser, NFS client, UPnP/DLNA client and browser
- Built-in NAS function: SMB server, FTP server, UPnP/DLNA media server
- Network protocols for remote control and integration: Dune HD IP control protocol (HTTP), UPnP/DLNA media renderer
- UPnP/DLNA: DLNA client, DLNA media server, DLNA media renderer
- Web browser: WebKit
- Ethernet: 10/100/1000 Mbit/s
- Wi-Fi: internal Wi-Fi module with 802.11b/g/n/ac support, Dual Band 2.4/5GHz, 2T2R, two antennas; Wi-Fi client, Wi-Fi access point/router
- Filesystems: FAT16/FAT32 (read-write), EXT2/EXT3/EXT4 (read-write), NTFS (read-write), HFS/HFS+ (Mac OS Standard/Extended) (read-only)
- Power: AC ~100V-240V, 50/60Hz, 60W