

TOSHIBA



HD-A1

HD DVD PLAYER



KEY FEATURES

- High Definition DVD playback via HDMI™ interface at 720p/1080i resolution
- Standard DVD upconversion to 720p or 1080i through the HDMI interface
- Multi-Format Compatibility: HD DVD, DVD, DVD-R/-RW, DVD-RAM, CD, CD-R/-RW
- Onboard Dolby® Digital, Dolby® Digital Plus, Dolby® TrueHD (2-ch), DTS and DTS-HD Decoding with 5.1 Analog Audio outputs
- Multi-Channel 24-Bit/192kHz audio DACs
- Pre-programmed Remote Control with TV Controls

ADVANTAGE TOSHIBA

HD DVD playback delivers outstanding resolution, bright, vivid colors and stunning sound from the next generation DVD standard adopted by the DVD forum

Backwards compatibility of standard DVDs allows you to enjoy your current collection of DVDs on the player

Video Up-conversion via the HDMI interface scales the standard DVD video to output resolution of 720p or 1080i, matching the output to the resolution of your HDTV

Built in multi-channel decoders for Dolby® Digital, Dolby® Digital Plus, Dolby® TrueHD (2ch), DTS and DTS-HD will bring improved fidelity and sonic realism to the soundtracks

PRELIMINARY

HD-A1



TECHNOLOGY & BENEFITS

HD DVD Playback

High Definition video requires a tremendous amount of space on a disc, thus a new Blue laser (versus a Red Laser for DVD) is utilized for HD DVD. The blue laser, with its shorter wave length, allows for information to be stored more densely on the disc, thus improving storage capacity by about over 3 times compared to that of a red laser technology. Additionally, more accurate and efficient video compression like MPEG-4 AVC and VC-1 (based on Microsoft's Windows Media) compress information to achieve file sizes that are less than half of those of the current standard DVD's MPEG2.

High Performance Disc Drive

HD DVD not only provides a deliverable HD media format to the home, but does so with the potential of greater performance than you have experienced with HDTV. The HD-A1 disc drive has an astounding 36.55Mbps transfer rate. To put that in perspective, standard DVD has an average bit rate of less than 10Mbps and HDTV's maximum rate is 24Mbps.

High Definition Multimedia Interface (HDMI™)

HDMI is the first industry-supported all digital Audio/video connection providing the transmission of uncompressed digital video and multi-channel audio on a single cable. When matched with a compatible HDTV, this single cable connection ensures that all signals remain in their pure digital form. The HD-A1 will output HD content through the HDMI interface in the native format of the HD DVD disc content of either 720p or 1080i.

Backward Compatibility

Enjoy backwards compatibility and play your collection of standard DVDs on the player. In addition, via the HDMI interface, the HD-A1 scales the standard definition DVD output to a resolution of 720p or 1080i to match your HDTV's performance. Not only does this output the video in HD standard resolutions, but because the conversion takes place in the player, the signal remains free from excessive digital-to-analog conversion artifacts.

Built-in Multi-Channel Decoders

The HD-A1 has built-in processors to handle the multi-channel decoders for Dolby Digital, Dolby Digital Plus, Dolby TrueHD (2 ch), DTS and DTS-HD. It employs the use of four DSPs to decode the multi-channel streams of the wide array of audio formats. These 32-bit floating-point DSPs are world renown for their high accuracy and are employed in many high quality audio solutions in the home theater market.

<http://www.tacp.toshiba.com> Customer Service: 800.631.3811

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Image is Everything.™

SPECIFICATIONS

	Video	
	Disc Playback: HD DVD, HD DVD-R, DVD, DVD-R/RW/-RAM, CD, CD-R/RW	X
	HD Content Output via HDMI (Disc Native Resolution)	X
VIDEO	11-bit / 216MHz Video DAC	X
	Video Up-Conversion for SD DVD (720p/1080i)	X
	Enhanced Black Level (0IRE / 7.5IRE Selection)	X
	Letterbox / Pan & Scan Support	X
		Audio
	Built-in Dolby® Digital, Dolby Digital Plus, DTS® and	
AUDIO	DTS-HD Decoders	X
	Dolby True HD Compatible (2 Channel)	X
	Four 32-bit Floating Point Signal Processors	X
	Multi-Channel 24-bit/192kHz Audio DACs	X
	HDMI Audio support up to 5.1 L-PCM	X
	Multi-Channel Signal Management	X
	Dynamic Range Control	X
	MP3 and WMA Playback	X
	Convenience	
CONVENIENCE	Pre-programmed Remote Control w/ TV Controls	X
	Tri-Lingual OSD (English, French/Japanese)	X
	Bit Rate Display	X
	FL Dimmer	X
	Fast Forward	X
	Fast Reverse	X
	Slow Play	X
	Step Play	X
	Time Search	X
	A-B Repeat	X
	Screen Saver	X
	Parental Lock	X
	Connections	
TERMINALS	Front Panel	
	USB Terminals	2
	Rear Panel	
	High Definition Multimedia Interface (ver. 1.1)	1
	ColorStream Pro® Component Video	1
	S-Video	1
	Composite Video	1
	Stereo Analog Audio	1
	5.1 Multi-Channel Analog Audio	X
	Coaxial Digital Output	1
TosLink® Optical Digital Output	1	
	Ethernet 10/100 Port	1
	UPC	022265412107
	Dimensions (W x H x D)	17" x 4" x 14"

Design specifications and dimensions are not final and may be subject to change. Please confirm specific features and exact dimensions by reference to the product itself. Because HD DVD is a new format that makes use of new technologies, certain disc, digital connection and other compatibility issues are possible. If you experience compatibility problems, please contact customer service.

HD DVD with high definition content required for HD output. Viewing some high definition content may require an HDMI or HDCP capable DVI input on your display device.