

# TOSHIBA



## HD-A2

### HD DVD PLAYER



#### KEY FEATURES

##### VIDEO

- ▶ Plays HD DVD (including twin format discs), DVD and DVD-R/-RW
- ▶ DVD playback via HDMI™ interface with upconversion of 720p or 1080i

##### AUDIO

- ▶ Dolby® Digital, Dolby® TrueHD, Dolby® Digital Plus, DTS® and DTS® HD (core only)
- ▶ Advanced high-performance 32-bit SHARC® Digital Signal Processing
- ▶ CD audio playback (CD, CD-R/-RW)

##### CONVENIENCE

- ▶ Slim design cabinetry
- ▶ New improved remote design with glow keys and TV operation
- ▶ Ethernet connection
- ▶ HDMI 1.2a interface, component video, S-Video, composite video



#### ADVANTAGE TOSHIBA

High definition playback delivers 720p/1080i resolution at a transfer rate higher than DVD or even HDTV, resulting in a more detailed, realistic picture

Advanced audio, including Dolby® TrueHD, Dolby® Digital Plus and DTS® HD (core only), along with legacy formats including Dolby® Digital and DTS® bring an increased sonic realism to movie soundtracks

Backwards compatibility means you can enjoy your existing library of DVDs and CDs, and through the process of upconversion using HDMI, your movies are scaled to match the resolution of your HD display

An interface suite includes an abundance of audio/video connections as well as an ethernet connection for firmware updates and future internet delivered features

P R E L I M I N A R Y

# HD-A2



## 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 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 experienced with HDTV. The HD-A2 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 multichannel audio on a single cable. When matched to a compatible HDMI-equipped HDTV, this single cable connection ensures that all signals remain in their pure digital form.

### Backward Compatibility

Enjoy backwards compatibility and play your collection of standard DVDs on the player. In addition, via the HDMI interface, the HD-A2 scales the standard definition DVD output to a resolution of 720p or 1080i. Not only does this output the video in HD standard resolution, but because the conversion takes place in the player, the signal remains free from excessive digital-to-analog conversion artifacts.

### High-performance SHARC® DSP

Realize the benefits of new generation high-definition audio to complement high-definition video with 32-bit floating point SHARC DSP. Designed to perform audio conversion while executing extensive on-board multi-channel signal management, SHARC DSP in HD DVD delivers the stunning audio to complete your total high-definition experience.

### Built-in Multi-Channel Decoders

The HD-A2 has built-in processors to handle the multi-channel decoders for Dolby® Digital, Dolby® Digital Plus, Dolby® TrueHD, DTS® and DTS® HD (core only).

## SPECIFICATIONS

VIDEO	HD DVD Video	yes
	DVD Video	yes
	DVD VR (1.1)	yes
	Video Output	1080i/60Hz/720p/480p/480i
AUDIO	Twin format Disc	yes
	Dolby® Digital Plus	yes (5.1ch)
	Dolby® TrueHD	yes (5.1ch)
	DTS®	yes (5.1ch)
	DTS® HD (core only)	yes (5.1ch)
CONVENIENCE	DVD-ROM (Video)	yes
	DVD-R (Video)	yes
	DVD-R DL (Video)	yes
	DVD-RW (Video/VR CPRM not supported)	yes
	CD, CD-R, CD-RW (CD-DA)	yes
	OSD Language	English/French/Germany/Japanese
	Remote Control Unit	
	TV Control (preset)	yes
	Glow Remote	yes
	AV Cable (Video/L/R)	yes
TERMINALS	Digital / Analog out simultaneously	yes
	Video Output	
	Composite	1
	S-Video	1
TERMINALS	Component	1
	Audio Output	
	Analog 2ch	1
	Digital Optical	1
	HDMI™ output Ver. 1.2a	1
	Ethernet (10/100BASE)	1
EXTENSION Terminal	2	
Dimensions	16.9" x 13.58" x 2.58"	
UPC	022265000151	

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 high-definition content and up-converting DVD content may require an HDCP capable input on your display device. Some recordable media may not be supported. Dolby Digital Plus, Dolby TrueHD and DTS support for up to 5.1 channels (DTS HD support for DTS core only). MP3/WMA audio files not supported. Some current DVDs and CDs may not be compatible. HDMI audio support for PCM only. Please see [www.toshibahddvd.com](http://www.toshibahddvd.com) and owner's manual for more information. Some features subject to delayed availability.

[www.toshibahddvd.com](http://www.toshibahddvd.com)

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

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