

TOSHIBA



HD-XA2

1080p HD DVD PLAYER



KEY FEATURES

VIDEO

- HD DVD Playback via HDMI™ 1.3 (video) interface with 1080p, 1080i or 720p Video Output
- HD 4X Oversampling with 297MHz 12-Bit Video DAC
- New HDMI 1.3 with support for Deep Color
- Plays HD DVD (including twin format discs), DVD and DVD-R/-RW

AUDIO

- New Dolby® TrueHD, Dolby® Digital, Dolby® Digital Plus, DTS® and DTS® HD (core only)
- High-performance 32-bit SHARC® Digital Signal Processing
- CD Audio Playback (CD, CD-R/-RW)

CONVENIENCE

- Backlit remote control with improved response time
- New slim cabinet brushed aluminum design
- Ethernet Connection
- HDMI 1.3 connection, Gold-plated Component Video, S-Video, Composite Video
- 5.1 Analog, Digital Optical, Coaxial Digital and Stereo Analog Outputs
- Bi-directional RS-232 Connector



ADVANTAGE TOSHIBA

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

HDMI 1.3 supports improved color depth, billions of colors, reduced color banding and increased contrast ratio

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-XA2



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.

1080p Video Output via HDMI 1.3

In order to complement the newest HDTVs the HD-XA2 outputs 1080p via the industry's newest all digital connector, HDMI 1.3, which adds a new level of performance with the potential for deep color.

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-XA2 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 with a compatible HDMI-equipped HDTV, this single cable connection ensures that all signals remain in their pure digital form. The HD-XA2 will output HD content through the HDMI interface in either 720p, 1080i or 1080p.

Backward Compatibility

Enjoy backwards compatibility and play your collection of standard DVDs on the player. In addition, via the HDMI interface, the HD-XA2 scales the standard definition DVD output to a resolution of 720p, 1080i or 1080p to match your HDTV's performance. 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.

Advanced Audio, Engineered in from the Beginning

The HD-XA2 has built in decoders to take your audio system to a new level. Critically acclaimed Dolby Digital Plus joins legacy formats of Dolby Digital and DTS onboard the HD-XA2. Topping them all off is Dolby TrueHD in 5.1 surround sound. This digital playback allows the studios to deliver sound that is bit-for-bit identical to the studio master, which means the sound that was mastered on the mixing board at the studio can be identical to the sound coming into your system. With lossless sound, the HD-XA2 with Dolby TrueHD is able to deliver the sound experience the director intended you to hear.

Built-in Multi-Channel Decoders

The HD-XA2 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	1080p Video Output	yes (1080p/60Hz)
	DVD Video	yes
	DVD VR	yes
	Twin format Disc	yes
	DVD-ROM (Video)	yes
	DVD-R (Video)	yes
	DVD-R DL (Video)	yes
	DVD-RW (Video/VR CPRM not supported)	yes
	297MHz/12-Bit Video DAC	yes
	AUDIO	AUDIO
CD, CD-R, CD-RW, CD (CD-DA)		yes
Dolby® Digital Plus		yes (5.1ch)
Dolby® TrueHD		yes (5.1ch)
DTS®		yes (5.1ch)
DTS® HD (core only)		yes (5.1ch)
Digital/Analog Out simultaneously		yes
CONVENIENCE	CONVENIENCE	
	Fully Backlit Remote Control	yes
	TV Control (preset)	yes
	AV Cable (Video/L/R)	yes
	OSD Language	English/French/Germany/Japanese
	TERMINALS	
TERMINALS	VIDEO OUTPUT	
	Composite	1 (gold)
	S-Video	1 (gold)
	Component	1 (gold)
	AUDIO OUTPUT	
	Analog 2ch	1 (gold)
	Analog 5.1ch	1 (gold)
	Digital Coaxial	1 (gold)
	Digital Optical	1
	HDMI Output Ver. 1.3 for Deep Color	yes
	Ethernet (10/100BASE)	1
	Control (RS-232C)	yes (Bi-direction)
	EXTENSION Terminal	
	Dimensions	17.2" x 13.58" x 2.91"
	UPC	0022265000168

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 Toshiba 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 1.3 features require compatible HDMI 1.3 capable HD display and/or audio device, as applicable. Deep Color requires a Deep Color-capable display device. Some devices may not be compatible. HDMI audio support for PCM only.

Please see www.toshibahddvd.com and owner's manual for more information. Some features subject to delayed availability.

www.toshibahddvd.com

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

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