

Panasonic



UNCOMPROMISING QUALITY

A new level of award winning picture and sound quality.



UB9000 ULTRA HD BLU-RAY™ PLAYER



Panasonic



HOLLYWOOD TO YOUR HOME

The UB9000 reference-class Ultra HD Blu-ray player uses our unique chroma and HDR processing technology to reproduce images with cinema-level quality at home. This combines with a structure and components that pursue the highest possible audio quality, to bring you beautiful picture and sound.



HOLLYWOOD CINEMA EXPERIENCE

HCX, three letters that are your guarantee for home entertainment true to the filmmaker's vision. The HCX processor packs all the picture-enhancing technology accumulated over many years of insights gained at the Panasonic Hollywood Laboratory. They work together seamlessly, quickly and precisely to give you the "ultra" in Ultra HD Blu-ray™: true-to-life pictures, stunning contrasts, smooth motion, and the list goes on.



A WHOLE WORLD OF 4K

Do you want to enjoy video-on-demand streaming in the quality of 4K? Get optimised 4K streaming picture quality from Netflix, YouTube and Prime Video*, to name just a few. At the same time, the UB9000 supports multiple formats – currently it is the only Blu-ray™ player to be compatible with next-generation HDR10+ Blu-ray Discs™, along with Dolby Vision™.

*Subject to broadband connection and subscription.



VIVID, LIFE-LIKE PICTURES

The HCX processor houses key technology – like 4K High Precision Chroma Processing and HDR Optimiser. Backed by technologies from Panasonic Hollywood Laboratory, a multi-tap chroma process ensures 4K images radiate with natural textures and depth. UB9000 is compatible with the latest standards of HDR10+ and Dolby Vision™, while for the conventional HDR10 contents, HDR Optimiser will bring the best quality to your footage.



High Precision Chroma Processor



“This is a focused, high-performance machine – and a home cinema powerhouse.”

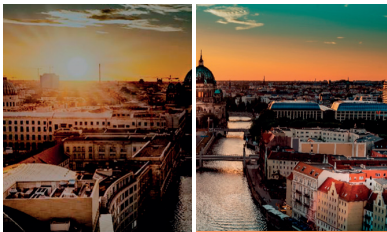
What Hi-Fi?, 09/2018



CINEMA-LEVEL QUALITY



This THX certified Ultra HD Blu-ray player reproduces the finely nuanced colours and rich, detailed images that the film creator intended, and achieves lifelike surround sound. You can watch movies at home in comparable quality that you enjoy at cinema.



HDR OPTIMISER

HDR Content with Even Greater Realism - Our original image processing technology achieves HDR images with higher definition. Tone mapping is used to adjust the brightness level of the content. And even HDR images from ordinary HDR10 and TV footage, which do not support special new formats like HDR10+ and Dolby Vision, provide optimal playback.



HIGH QUALITY AUDIO COMPONENTS

The power supplies for digital, 2 channel analogue, and 7.1 analogue all use separate, dedicated, circuits to ensure each signal is powered at the optimum voltage to deliver as little noise as possible whether listening to stereo music or surround sound movies. High quality components are used throughout, including the latest generation of 768kHz / 32 bit Digital Analogue Converter from renown Japanese specialists Asahi Kasei. This premium DAC creates a precise, rich sound from the latest high resolution digital signals with an exceptional signal to noise ratio.



POWERFUL SOUND CLARITY

Stability is essential to great sound. Which is why the UB9000 features an additional dedicated power supply for the audio circuits. Any noise effects from the motor during playback or between peripheral circuits are thus minimised. Supported by high-quality audio components, the analogue 2-channel output further isolates the reference voltage of the left and right channels to ultimately reduce mutual effects and deliver virtually distortion-free audio.



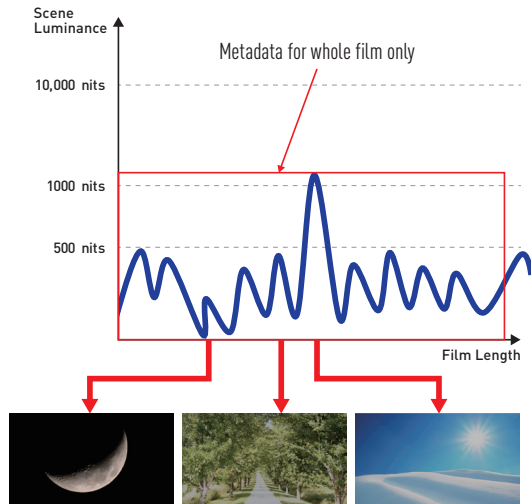
*THX and the THX logo are trademarks of THX Ltd.

MULTI HDR SUPPORT OVERVIEW



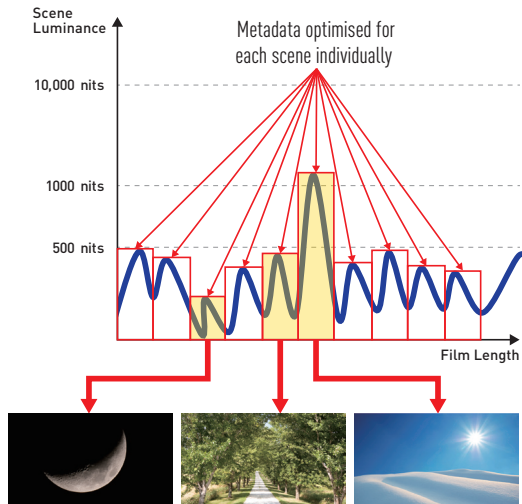
HDR10+ is a dynamic metadata platform for High Dynamic Range (HDR).

HDR10 | Static Metadata



With static metadata, one fixed tone mapping curve is applied across the whole film based on the scene with the highest luminance, meaning that some scenes may be displayed sub-optimally

HDR10+ | Dynamic Metadata



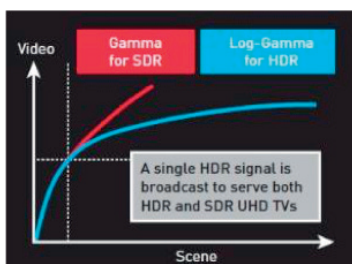
With HDR10+ dynamic metadata, the tone mapping curve is adjusted scene-by-scene to enable the most optimal visual reproduction for each scene

HDR10+ is a cutting-edge technology, building upon the benefits of compatible HDR televisions, which offers the best possible viewing experience for next generation displays. It provides unprecedented picture quality on all displays with brightness, colour, and contrast automatically optimized for each scene.

In previous iterations, static tone mapping applied a fixed enhancement across an entire piece of content. With HDR10+ dynamic tone mapping, every scene is individually enhanced to bring to life vibrant visuals and achieve unprecedented picture quality. This new enhanced visual experience will allow consumers to see pictures that match the intention of filmmakers. Furthermore, the ease of authoring video content will lead to much more HDR film and episodic content becoming available.

HYBRID LOG-GAMMA (HLG)

HLG is a high dynamic range (HDR) standard that was jointly developed by the BBC and NHK. Using Hybrid Log-Gamma, broadcasters can broadcast one stream of content which will be displayed in HDR on HDR compatible UHD TVs and in SDR on SDR UHD TVs.



DOLBY VISION

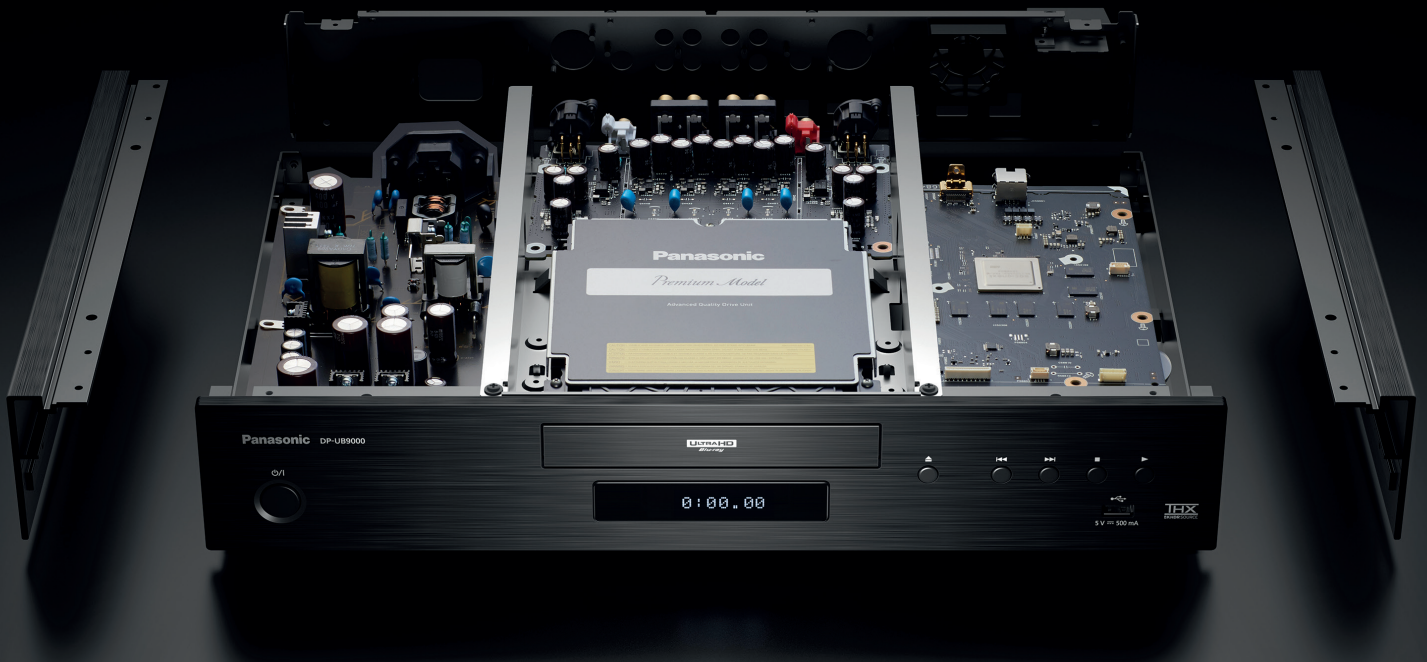
Dolby Vision is an HDR format from Dolby Laboratories that can be optionally supported by Ultra HD Blu-ray discs and streaming video services. Dolby Vision uses similar dynamic metadata as HDR10+.



HDR10

The HDR format known as "HDR10" is the most widespread and easy-to-implement HDR format. Currently, all HDR Blu-ray discs are technically HDR10 discs.





REFERENCE DESIGN

Thick aluminium treated with alumite is used for the front and side panels. This helps reduce vibration, by reducing chassis rigidity to support the highest quality sound. It provides the build quality demanded by a reference class model.



VERSATILITY ACROSS THE BOARD

With the UB9000, you are spoilt for choice when it comes to audiovisual hook-up options. The 2-channel and 7.1-channel output terminals are separated for customised listening – from music to blockbuster movies. Advanced audio lovers will appreciate the balanced XLR output terminal in addition to the RCA terminal for the 2-channel output. HDMI for 4K/2K audio and video, optical and coaxial terminals round out the host of possibilities for perfect home entertainment.



IMPRESSIVELY SOLID BUILD

Not only attractive to look at, the thick aluminium on the front and side panels of the UB9000 raises the rigidity of the chassis to reduce vibration. This is complemented by a newly developed drive base: a thick steel plate fixes the disk drive to the centre of the 2-layer chassis to optimise the disc during reading. Unwanted vibration and noise is reduced, while precision is increased. Additionally, heavy steel plates lower the centre of gravity and thus minimise vibration.

The Disc mechanism is centre mounted to increase stability.

The front OLED display can be set to automatically dim or can be manually adjusted from a dedicated button on the remote control to create the ideal home cinema environment.



UB9000 front



UB9000 rear

DP-UB9000 ULTRA HD BLU-RAY™ DISC PLAYER

PLAYABLE DISCS	BD-ROM	Ultra HD Blu-ray™ / FULL HD 3D / BD-Video	•
	BD-RE / BD-RE DL (Ver.3)	BDAV / AVCHD / AVCHD 3D / JPEG / MPO	•
	BD-R (Ver.1.3) / BD-R DL (Ver.2)	BDAV / AVCHD / AVCHD 3D / MKV / JPEG / MPO	•
	DVD	DVD-Video	•
	DVD-R*1 / DVD-R DL*1 / DVD-RW*1	DVD-Video / DVD Video Recording	•
		AVCHD	•
		MKV / FLAC / WAV / ALAC / AIFF / DSD / WMA / AAC / MP3 / JPEG / MPO	• (DVD-R / DVD-R DL)
	+R*1 / +R DL*1 / +RW*1	Video / AVCHD	•
	CD, CD-R / CD-RW	CD-DA / DTS-CD	•
		MKV / FLAC / WAV / ALAC / AIFF / WMA / AAC / MP3 / JPEG / MPO	• (CD-R / CD-RW)
AUDIO SYSTEM	Dolby Audio (Dolby Digital / Dolby Digital Plus / Dolby TrueHD) / DTS-HD Master Audio / DTS-HD High-Resolution Audio		• (Decode and Bitstream Output*2)
	Dolby Atmos / DTS:X		• (Bitstream Output*3)
	FLAC		• (Max. 192kHz / 24bit)
	WAV		• (Max. 384kHz / 32bit)
	ALAC		• (Max. 96kHz / 32bit (7.1ch), 176.4 / 192kHz / 32bit (5.1ch))
	DSD (DFF, DSF)		• (2.8MHz (2ch / 5.1ch), 5.6 MHz (2ch / 5.1ch), 11.2MHz (2ch))
	AIFF		• (Max. 384kHz / 32bit (2ch))
USB	Slot	Front / Rear	• (2)
	Playback	FLAC / WAV / ALAC / AIFF / DSD (DFF, DSF) / WMA / AAC / MP3 MKV / MP4 (H.264 / HEVC), TS (MPEG-2 / H.264 / HEVC) MPEG-2 / AVCHD / AVCHD 3D / JPEG / MPO	• 1x (USB 2.0 High Speed), 1x (USB 3.0 Super Speed) • (Gapless Playback : FLAC / WAV / AIFF / DSD (DFF, DSF))
			•
HIGH-QUALITY PICTURE	HXC Processor for Ultra HD Blu-ray™		•
	HDR	HDR10+ / Dolby Vision / Hybrid Log Gamma (HLG)	• / • / •
	HDR Optimiser		•
	4K Upscaling*2*4	60p / 50p / 4:4:4 (HDMI2.0) 24p / 25p	•
	4K Direct Chroma Upscaling*3		•
	4K Networking (4K Video*5 Playback / 4K JPEG Playback*6)		•
	4K VOD		•*5
	Picture Type Presets*7	Normal / Cinema / Fine Cinema / Retro Cinema / Animation / Live	•
	Block / Random / Mosquito Noise Reduction		•
	Video on Demand in HD Quality		•
	2D-3D Conversion / 3D Effect Controller		—
	Ultra HD Premium / THX Certified		• / •
HIGH-QUALITY SOUND	Deep Colour / x.v.Colour*8		• / •
	TWIN HDMI		•
	Pure Audio on HDMI (HDMI Low Clock Jitter Process)		•
	High-Quality Network Audio Playback*9		• (FLAC / WAV / ALAC / AIFF / DSD / WMA / AAC / MP3)
	High Clarity Sound Premium		•
	Digital Tube Sound / Surround Re-Master*10		• / • (Up to 192kHz / 32bit)
	Audio D/A Converter		• (768kHz / 32bit)
SMART FEATURES	Insulator		•
	Viewing Experience Controlled via Voice (Google Assistant / Amazon Alexa)*16		•
	Unit Display (Dot Matrix) / Remote Control		• / •
	Subtitle Position / Brightness Adjustment		•
	HDAVI Control 5 (VIERA Link)		•
	Mirroring with Smartphone or Tablet*11		•
	Internet Apps*12 / Web Browser		• / •
	Wireless LAN System (Built-in)		• IEEE802.11 a / b / g / n / ac
	Network Contents Playback*13 (Client & Renderer)		•
	External HDD Playback*13 / BD-Live*14 / Network Drive Access		• / • / •
TERMINAL	HDMI Output / Video Output		• (2) / —
	Optical Output / Coaxial Output		• •
	Analogue Audio LR Output / Analogue Audio 7.1ch Output		• (XLR Balanced / Gold Plated) / • (Gold Plated)
	LAN (Ethernet) Terminal		• (for Ultra HD Blu-ray™, Network Contents Playback*13, BD-Live*14, Internet Apps*12 and Firmware Update)
OTHERS	Video System		PAL / NTSC
	Power Supply		AC 220-240V, 50Hz
	Power Consumption	Normal Use Standby (Quick Start Off)	40W Network Standby On: 2W / Network Standby Off: 0.4W
DIMENSIONS & WEIGHT	Dimensions (W x H x D)*15, Weight		430 x 81 x 300mm, 7.8kg

*1 Discs recorded and finalized on recording devices. / *2 HDMI connections and compatible equipment (e.g. AV Receiver) required. / *3 For 4K Upscaling playback a TV with same resolution is required. / *4 For 4K / 60p video, a high speed HDMI cable supporting 18Gbps bandwidth is required. / *5 MP4 / MKV / TS (H.264/HEVC) Up to 3840x2160 25p/30p, 4096x2160 24p. / *6 Some network content services may not be available in your country. / *7 Ultra HD Blu-ray™ and Photo (LPG / MPO) are not supported. / *8 This function is effective only when reproducing AVCHD data recorded with x.v.Color technology. The function cannot be used with BD-ROM or DVD-ROM discs. HDMI connection is required. / *9 File formats that are not supported by your Network Contents server (DLNA compatible server, etc.) cannot be played. / *10 CD sampling is done at 176.4 / 88.2 kHz. / *11 A device that supports the Mirroring function and Android™ ver. 4.2 or higher is required. / *12 Requires broadband Internet service. / *13 The external HDD with capacities of 4TB or less in processing NTFS / FAT32 data is supported. Playback is not possible with some external hard disk drives. / *14 To enjoy content, you will need to insert a USB (1GB or more of free space / sold separately). Requires broadband Internet service. / *15 Excluding the projecting parts. / *16 For UK, English and German. Specifications are subject to change without notice. All numbers given here are approximate.

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