



Ultra HD Blu-rayspelare DP-UB450



BD-ROM	Ultra HD Blu-ray/ FULL HD 3D/ BD- Video	yes
BD-RE/ BD-RE DL (Ver.3)	BDAV/ AVCHD/ AVCHD 3D/JPEG/ MPO	yes
	FLAC/ WAV/ ALAC/ AIFF/ DSD/ WMA/ AAC/ MP3	yes
	MKV(H.264/ HEVC)/ MP4 (H.264/ HEVC), TS (MPEG-2 /H.264/ HEVC), PS(MPEG-2)	yes
BD-R (Ver.1.3) / BD-R DL (Ver.2)	FLAC/ WAV/ ALAC/ AIFF/ DSD/ WMA/ AAC/ MP3	yes
	BDAV/ AVCHD/ AVCHD 3D/ MKV(H.264/ HEVC)/ JPEG/ MPO	yes
	MP4 (H.264/ HEVC), TS (MPEG-2 /H.264/ HEVC), PS(MPEG-2)	yes
DVD	DVD-Video	yes
DVD-R*1/ DVD-R DL*1/ DVD-RW*1	DVD-Video/ DVD Video Recording	yes
	JPEG/ MPO	yes (DVD-R/ DVD-R DL)
	FLAC/ WAV/ ALAC/ AIFF/ DSD/ WMA/ AAC/ MP3	yes (DVD-R/ DVD-R DL)
	AVCHD/ MKV(H.264/	yes/ yes* (*DVD-R/ DVD-R DL)

		HEVC)	
		MP4 (H.264/ HEVC), TS (MPEG-2 /H.264/ HEVC), PS(MPEG-2)	yes
+R*1/ +R DL*1/ +RW*1		Video/ AVCHD	yes
CD, CD-R/ -RW		CD-DA/ DTS-CD	yes
		JPEG/ MPO	yes (CD-R/ -RW)
		FLAC/ WAV/ ALAC/ AIFF/ WMA/ AAC/ MP3	yes (CD-R/ -RW)
		MKV(H.264/ HEVC)	yes (CD-R/ -RW)
		MP4 (H.264/ HEVC), TS (MPEG-2 /H.264/ HEVC), PS(MPEG-2)	yes (CD-R/ -RW)
AUDIO SYSTEM		Dolby Audio (Dolby Digital/ Dolby Digital Plus/ Dolby TrueHD)	yes (Decode and Bitstream Output*2)
		DTS-HD Master Audio/ DTS-HD High Resolution Audio	yes (Decode and Bitstream Output*2)
		Dolby Atmos/ DTS:X	yes (Bitstream Output*2)
		FLAC	yes (Max. 192 kHz/ 24 bit)
		WAV	yes (Max. 384 kHz/ 32 bit)
		ALAC	yes (Max. 192 kHz/ 32 bit (2ch))
		DSD (DFE, DSF)	yes (2.8 MHz (2ch/ 5.1ch), 5.6 MHz (2ch/ 5.1ch), 11.2 MHz (2ch))
		AIFF	yes (Max. 384 kHz/ 32 bit (2ch))
USB	Slot		yes(1)
	Front		1 (USB 2.0 High Speed)
	Playback	FLAC/ WAV/ ALAC/ AIFF/ DSD	yes

		(DFF, DSF)/ WMA/ AAC/ MP3	
		MKV/ MP4 (H.264/HEVC), TS (MPEG- 2/H.264/HEVC)	yes
		MPEG-2/ AVCHD/ AVCHD 3D	yes
		JPEG/ MPO	yes
HIGH QUALITY PICTURE	HDR	HDR10+	yes
		Dolby Vision	yes
		Hybrid Log Gamma(HLG)	yes
		HDR	yes
	4K Up- scaling	60p/50p/ 4:4:4 (HDMI2.0)	yes*4*5
		24p/ 25p	yes*4*5
	4K Networking (4K Video*6 Playback/ 4K JPEG Playback*4)		yes
	Video on Demand in HD Quality		No
	Deep Colour		yes
x.v.Colour*9		yes	
HIGH QUALITY SOUND		TWIN HDMI	yes
		High Quality Network Audio Playback	yes (FLAC/ WAV/ ALAC/ AIFF/ DSD/ WMA/ AAC/ MP3)
SMART FEATURE		Remote Control	yes (Simple)
		HDAVI Control 5 (VIERA Link) / HDMI CEC	yes (HDMI CEC only)
		Network Contents Playback (Client & Renderer)	yes
		External HDD Playback	yes

		Network Drive Access	yes
		BD-Live™*15	yes
TERMINAL		HDMI Output	Y (2)
		Coaxial Output	Y
		LAN (Ethernet) Terminal	yes (for Ultra HD Blu-ray, Network Contents Playback*10, BD-Live™*15 and Firmware Update)
OTHERS	Video System		PAL/ NTSC
	Power Supply		AC 220-240 V, 50 Hz
	Power Consumption	Normal Use	13 W
Standby (Quick Start Off)-Network Standby Off		0.3 W	
DIMENSIONS, WEIGHT	Dimensions (W x H x D)		320 x 46 x 193 mm *17
	Weight		1.2 kg
NOTE			*1 Discs recorded and finalized on recording devices.
NOTE			*2 HDMI connections and compatible equipment (e.g. AV Receiver) required.
NOTE			*3 Enabled by software update
NOTE			*4 For 4K Up-scaling playback a TV with same resolution is required.
NOTE			*5 For 4K/60p video, a high speed HDMI cable supporting 18 Gbps bandwidth is required.
NOTE			*6 MP4(4K/25p,30p) bit rate up to 100 Mbps/resolution up to 3840x2160.
NOTE			*7 Some network content services may not be available in your country.
NOTE			*8 Ultra HD Blu-ray and Photo (JPG/ MPO) are not supported.
NOTE			*9 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.
NOTE			*10 File formats that are not supported by your Network Contents server (DLNA compatible server, etc.) cannot be played.
NOTE			*11 CD sampling is done at 176.4/88.2 kHz.
NOTE			*12 A device that supports the Mirroring function and Android™ ver. 4.2 or higher is required.

NOTE	*13 Requires broadband Internet service.
NOTE	*14 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.
NOTE	*15 To enjoy content, you will need to insert a USB (1GB or more of free space/ sold separately). Requires broadband Internet service.
NOTE	*16 The analog 2-channel output terminal can also be used as an analog 7.1-channel output terminal.
NOTE	*17 Excluding the projecting parts.
NOTE	Specifications are subject to change without notice. All numbers given here are approximate.
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