



DP-UB820 UHD 4K HDR Blu-ray Spelare



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
BD-R (Ver.1.3) / BD-R DL (Ver.2)	BDAV/ AVCHD/ AVCHD 3D/ MKV/ JPEG/ MPO	yes
DVD	DVD-Video	yes
DVD-R*1/ DVD-R DL*1/ DVD-RW*1	AVCHD/ MKV	yes/ yes* (*DVD-R/ DVD-R DL)
	DVD-Video/ DVD Video Recording	yes
	FLAC/ WAV/ ALAC/ DSD/ WMA/ AAC/ MP3/ AIFF	yes (DVD-R/ DVD-R DL)
	JPEG/ MPO	yes (DVD-R/ DVD-R DL)
+R*1/ +R DL*1/ +RW*1	Video/ AVCHD	yes
CD, CD-R/ -RW	CD-DA/ DTS-CD	yes
	MKV	yes (CD-R/ -RW)
	FLAC/ WAV/ ALAC/ WMA/ AAC/ MP3/ AIFF	yes (CD-R/ -RW)
	JPEG/ MPO	yes (CD-R/ -RW)
AUDIO SYSTEM	Dolby Digital/ TrueHD	yes (Decode and Bitstream Output*2)
	Dolby Digital Plus	yes (Decode and Bitstream Output*2)
	DTS-HD Master Audio/ DTS-HD High Resolution Audio	yes (Decode and Bitstream Output*2)
	FLAC	yes (Max. 192 kHz/ 24 bit)

		Dolby Atmos/ DTS:X	yes (Bitstream Output*2)
		WAV	yes (Max. 384 kHz/ 32 bit)
		ALAC	yes (Max. 96 kHz/ 32 bit (7.1ch), 176.4/192 kHz/ 32 bit (5.1ch))
		DSD (DFF, 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	Front		1 (USB 2.0 High Speed)
	Rear		1 (USB 3.0 Super Speed)
	Playback	MKV/ MP4 (H.264/HEVC), TS (MPEG- 2/H.264/HEVC)	yes
		JPEG/ MPO	yes
		FLAC/ WAV/ ALAC/ AIFF/ DSD (DFF, DSF)/ WMA/ AAC/ MP3	yes (Gapless Playback: FLAC/ WAV/ AIFF/ DSD(DFF))
MPEG-2/ AVCHD/ AVCHD 3D		yes	
HIGH QUALITY PICTURE	HCX Processor for Ultra HD Blu-ray		yes
	HDR	HDR10+	yes*3
		Dolby Vision	yes*3
		Hybrid Log Gamma(HLG)	yes
	HDR Optimiser		yes
	4K Up- scaling	60p/50p/ 4:4:4 (HDMI2.0)	yes*4*5
		24p/ 25p	yes*4*5
	4K Direct Chroma Up-scaling		yes*4
	4K Networking (4K Video*6 Playback/ 4K JPEG Playback*4)		yes
	4K VOD		yes*7
	Picture Type Presets		(Normal/ Cinema/ Fine Cinema/ Retro Cinema/ Animation/ Live)*8

	Block/ Random/ Mosquito Noise Reduction	yes
	Video on Demand in HD Quality	yes
	Ultra HD Premium	yes
	Deep Colour	yes
	x.v.Colour	yes*9
HIGH QUALITY SOUND	TWIN HDMI	yes
	Pure Audio on HDMI (HDMI Low Clock Jitter Process)	yes
	High Quality Network Audio Playback (DLNA)	yes*10 (FLAC/ WAV/ ALAC/ AIFF/ DSD/ WMA/ AAC/ MP3)
	High Clarity Sound Premium	yes
	Digital Tube Sound	yes (Up to 192 kHz/ 32 bit)
	Surround Re-Master	yes*11 (Up to 192 kHz/ 32 bit)
	Audio D/A Converter	yes
SMART FEATURE	Unit Display	yes (Dot Matrix)
	Remote Control	yes (Simple)
	Subtitle Position/Brightness Adjustment	yes
	HDAVI Control 5 (VIERA Link)	yes
	Internet Apps	yes*13
	Mirroring with Smartphone/Tablet	yes*12
	Web Browser	yes
	Wireless LAN System	yes (Built-in) IEEE802.11 a/b/g/n/ac
	External HDD Playback	yes*14
	Network Drive	yes

		Access	
		BD-Live™	yes*15
		Network Contents Playback (Client & Renderer)	yes*10
TERMINAL		HDMI Output	yes (2)
		Optical Output	yes
		Analogue Audio LR Output	yes*16
		Analogue Audio 7.1ch Output	yes
		LAN (Ethernet) Terminal	yes (for Ultra HD Blu-ray, DLNA*10, BD-Live™*15, Internet Apps*13 and Firmware Update)
OTHERS	Video System		PAL/ NTSC
	Power Supply		AC 220-240 V, 50 Hz
	Power Consumption	Normal Use	32 W
		Network Standby On (Quick Start Off)	1 W
		Network Standby Off (Quick Start Off)	0.3 W
DIMENSIONS, WEIGHT	Dimensions (W x H x D)	430 x 62 x 204 mm *17	
	Weight	2.2 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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