



4K Ultra HD with HDR10+™ and Dolby Vision Playback - Hi-Res Sound - 4K VOD Streaming - Voice Assist Blu-ray Player - Black DP-UB820-K

- **PLAYABLE DISCS**

- *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*
- DVD-Video/ DVD Video Recording yes
- AVCHD/ MKV yes/ yes* (*DVD-R/ DVD-R DL)
- 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)

- 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. 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))
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• SD MEMORY CARD

- Slot N/A
 - Compatible Media N/A
 - *Playback*
 - JPEG/ MPO N/A
 - AVCHD/ AVCHD 3D N/A
 - MP4 N/A
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• USB

- Slot yes (2)
 - Front 1 (USB 2.0 High Speed)
 - Rear 1 (USB 3.0 Super Speed)
 - *Playback*
 - FLAC/ WAV/ ALAC/ DSD/ WMA/ AAC/ MP3/ AIFF N/A
 - FLAC/ WAV/ ALAC/ AIFF/ DSD (DFF, DSF)/ WMA/ AAC/ MP3 yes (Gapless Playback: FLAC/ WAV/ AIFF/ DSD(DFF))
 - MKV/ MP4 (H.264/HEVC), TS (MPEG-2/H.264/HEVC) yes
 - MKV/ MP4/ MPEG-2/ AVCHD/ AVCHD 3D N/A
 - MPEG-2/ AVCHD/ AVCHD 3D yes
 - JPEG/ MPO yes
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• HIGH QUALITY PICTURE

- HCX Processor for Ultra HD Blu-ray yes
- HDR Optimiser yes
- 4K Direct Chroma Up-scaling yes*4
- 4K Networking (4K Video*6 Playback/ 4K JPEG Playback*4) yes
- 4K Networking (4K Video*5 Playback/ 4K JPEG Playback*3) N/A
- 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
 - 2D-3D Conversion/ 3D Effect Controller N/A
 - Ultra HD Premium yes
 - THX Certified N/A
 - Deep Colour yes
 - x.v.Colour yes*9
 - *HDR*
 - HDR10+ yes*3
 - Dolby Vision yes*3
 - Hybrid Log Gamma(HLG) yes
 - *4K Up-scaling*
 - 60p/50p/ 4:4:4 (HDMI2.0) yes*4*5
 - 24p/ 25p yes*4*5
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- **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/ A
 - 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
 - Insulator N/A
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- **SMART FEATURE**

- Viewing Experience Controlled via Voice(Google Assitant/ Amazon Alexa) yes
- Unit Display yes (Dot Matrix)
- Remote Control yes (Simple)
- Subtitle Position/Brightness Adjustment yes
- HDAVI Control 5 (VIERA Link) yes
- Mirroring with Smartphone/Tablet yes*12
- Mirroring with Smartphone/Tablet*11 N/A
- Internet Apps yes*13
- Web Browser yes
- Wireless LAN System yes (Built-in) IEEE802.11 a/b/g/n/ac
- DLNA (Client & Renderer) N/A
- Network Contents Playback (Client & Renderer) yes*10

- External HDD Playback yes*14
- Network Drive Access yes
- BD-Live™ yes*15

- **TERMINAL**

- HDMI Output yes (2)
- Video Output N/A
- Optical Output yes
- Coaxial Output N/A
- 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 NTSC
- Power Supply AC 120 V, 60 Hz
- HDMI Cable Included N/A
- *Power Consumption*
- Normal Use 31 W
- Network Standby On (Quick Start Off) 8 W
- Network Standby Off (Quick Start Off) 0.2 W

- **DIMENSIONS, WEIGHT**

- Dimensions (W x H x D) Approx. 16-15/16 x 2-1/2 x 8-1/16 inch*17
- Weight 5.3 lbs.

- **NOTES**

- 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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