

- BLU-RAY DISC™ RECORDER
- BLU-RAY DISC™ THEATRE
- BLU-RAY DISC™ PLAYER
- HIGH DEFINITION RECORDERS
- DVD RECORDERS
- DVD PLAYERS
- DVD HOME THEATRE
- HOME THEATRE
- DVD/CD MINI SYSTEMS
- MICRO SYSTEMS

Blu-ray Disc™ Player		DMP-BD30	
FORMAT	BD-ROM	BD-Video	BONUS VIEW (Final Standard Profile)*1
	BD-RE SL/DL	BD-MV (BD-RE version3)	•
	BD-R SL/DL	JPEG	•
	DVD-RAM	DVD-VR	•
		JPEG	•
		AVCHD	•
	DVD-R*2/DVD-RW*2/DVD-R DL*2	DVD Video	•
		DVD-VR	•
		AVCHD	•
	+R*2/+R DL*2/+RW*2	Video	•
		AVCHD	•
	DVD	DVD Video	•
		CD-DA	•
	CD, CD-R/-RW*3	MP3*4	• [CD-R/-RW only]
JPEG		• [CD-R/-RW only]	
AVCHD		•	
SD Memory Card	JPEG	•	
VIDEO	PHL Reference Chroma Processor	•	
	P4HD (Pixel Precision Progressive Processing for HD)	•	
	Precise Pixel Generation	•	
	16-Level Motion Detection with Pixel-Based Motion Adaptive	•	
	Diagonal Processing	•	
	3:2/2:2 Pull-Down Progressive Processing	•	
	i/p Conversion for 1080p*5 Playback	•	
	Up-Conversion to 1080p*5 Playback	•	
	Video D/A Converter	148.5MHz/12bit	
	HD i/p Conversion	•	
	Progressive Scan	• [NTSC/PAL]	
	Digital Noise Reduction	•	
	Picture Mode	•*6	
	Picture Adjustment	•*7	
NTSC Output Selectable	•		
AUDIO	Audio D/A Converter	192kHz/24bit	
	Dolby Digital Plus	Bitstream output*5	
	Dolby TrueHD	Bitstream output*5	
	DTS-HD*8	Bitstream output*5	
	Re-Master	• [for all formats]	
	Advanced Surround (V.S.S.)	•	
	Dialogue Enhancer	•	
	Dynamic Range Compression	•	
CON- VENIENT	VIERA Link (HDAVI Control 3)	•	
	Super High Speed Scan	•	
	Audio/JPEG Navigation Menu	•	
INPUT/OUTPUT	SD Memory Card Slot (SDHC)	•	
	HDMI (Output)	Version 1080p output	HDMI V. 1.3 with Deep Colour • [24p*9 / 60p/50p]
	Component Video Out (Y, PB, PR)	•	
	S-Video Out	•	
	Video Out	•	
	5.1 ch Audio Out	•	
	2ch Audio Out	•	
	Digital Audio Out	• [1 optical, 1 coaxial]	
SPECIFICATIONS	Audio S/N	115dB	
	Dynamic Range	100dB	
	Power Source	AC 230-240V, 50HZ	
	Power Consumption	27W (approx)	
	Weight [kg]	3.3 (approx)	
	Dimensions [W x H x D] [mm]	430 x 59 x 320 (approx)	

*1 BD-ROM Profile1 version1.1
 *2 Discs recorded and finalised on DVD video recorders/cameras.
 *3 Playability may vary depending on the content, discs and quality of the recording.
 *4 For content recorded on CD-R/RW for your personal use only.
 *5 HDMI connection required.

*6 Normal/Soft/Fine/Cinema/User
 *7 Contrast, Brightness, Sharpness, Colour, Gamma Correction
 *8 DTS-HD Advanced Digital Out
 *9 For BD-ROM only.

		Blu-ray Disc™ Recorder DMR-BW500	DVD Recorder with Twin HD Tuner DMR-XW300
Playable Discs			
BD-ROM	BD-Video	• [BONUS]EW[Final Standard Profile] ¹⁾	-
BD-RE/BD-RE DL	Ver.2.1	• 2x Speed	-
BD-R/BD-R DL	Ver.1.2	• 2x Speed LTH type	-
	Ver.1.1	• 2x Speed	-
	Ver.1.2	• 4x Speed	-
DVD	DVD-Video	•	•
DVD-RAM	DVD-Video Recording	•	•
	AVCHD	•	•
	JPEG	•	•
DVD-R ²⁾ /DVD-R DL ²⁾ /DVD-RW ²⁾	DVD-Video	• DVD-RW only	• DVD-RW only
+R ²⁾ /+R DL ²⁾ /+RW	DVD-Video Recording	•	•
	AVCHD	•	•
	Video	•	•
CD ²⁾ , CD-R ²⁾ /CD-RW ²⁾ 3	CD-DA	•	•
	MP3 ⁴⁾	•	•
	JPEG	•	•
Recordable Discs			
BD-RE, BD-RE DL	Ver.2.1	• 1-2x Speed	-
	Ver.1.1	• 1-2x Speed	-
	Ver.1.2	• 1-4x Speed	-
BD-R, BD-R DL	Ver.1.2	• 1-2x Speed LTH type	-
	Ver.2.0	• 2x Speed	• 2x Speed
DVD-RAM	Ver.2.1	• 2-3x Speed	• 2-3x Speed
	Ver.2.2	• 2-5x Speed	• 2-5x Speed
	Ver.2.0	• 1x Speed	• 1x Speed
DVD-R	Ver.2.0	• 1-4x Speed	• 1-4x Speed
	Ver.2.0	• 1-8x Speed	• 1-8x Speed
	Ver.2.1	• 1-16x Speed	• 1-16x Speed
DVD-R DL	Ver.3.0	• 2-4x Speed	• 2-4x Speed
	Ver.3.0	• 2-8x Speed	• 2-8x Speed
	Ver.1.1	• 1x Speed	• 1x Speed
DVD-RW	Ver.1.1	• 1-2x Speed	• 1-2x Speed
	Ver.1.2	• 2-4x Speed	• 2-4x Speed
	Ver.1.2	• 2-6x Speed	• 2-6x Speed
	Ver.1.0	• 2-4x Speed	• 2-4x Speed
+R	Ver.1.1	• 2.4-4x Speed	• 2.4-4x Speed
	Ver.1.2	• 2.4-16x Speed	• 2.4-16x Speed
+R DL	Ver.1.0	• 2.4x Speed	• 2.4x Speed
	Ver.1.1	• 2.4-8x Speed	• 2.4-8x Speed
+RW	Ver.1.1	• 2.4x Speed	• 2.4x Speed
	Ver.1.2	• 2.4-4x Speed	• 2.4-4x Speed
Recording Format			
BD-RE, BD-R	Blu-ray Disc™ Rewritable Format		
DVD-RAM	DVD Video Recording Format		DVD Video Recording Format
DVD-R, DVD-R DL, DVD-RW	DVD-Video Format ¹⁾ 0		DVD-Video Format ¹⁾ 0
Built-in Hard Disk Capacity Recording Time (Approximate)			
		500 GB#	250 GB#
	DR mode	72 hours	36 hours
	XP Mode	135 hours	66 hours
	SP Mode	110 hours	55 hours
	LP Mode	220 hours	110 hours
	EP Mode ⁵⁾	442 hours	221 hours
		646 / 885 hours	331 / 441 hours
	DR mode	3 hours 20 minutes	-
	XP Mode	6 hours 30 minutes	-
	SP Mode	5 hours 15 minutes	-
	LP Mode	10 hours 30 minutes	-
	EP Mode ⁵⁾	21 hours	-
		31 hours 30 minutes / 42 hours	-
	DR mode	13 hours	-
	XP Mode	10 hours 30 minutes	-
	SP Mode	21 hours	-
	LP Mode	42 hours	-
	EP Mode ⁵⁾	65 / 84 hours	-
		1 hour	1 hour
	SP Mode	2 hours	2 hours
	LP Mode	4 hours	4 hours
	EP Mode ⁵⁾	6 / 8 hours	6 / 8 hours
	XP Mode	1 hour 45 minutes	1 hour 45 minutes
	SP Mode	3 hours 35 minutes	3 hours 35 minutes
	LP Mode	7 hours 10 minutes	7 hours 10 minutes
	EP Mode ⁵⁾	10 hours 45 minutes / 14 hours 20 minutes (DVD-R DL only)	10 hours 45 minutes / 14 hours 20 minutes (DVD-R DL only)
VIDEO P4[HD] (Pixel Precision Progressive Processing for HD)			

Playable Discs		DVD Recorder with 400GB HDD	DVD Recorder with 250GB HDD	DVD Recorder/VHS Combo
		DMR-EX88	DMR-EX78	DMR-EZ48V
DVD	DVD-Video	•	•	•
DVD-RAM	DVD-VR	•	•	•
	JPEG	•	•	-
	DVD-Video	•	•	•
DVD-R ¹ /DVD-R DL ¹ /DVD-RW ¹	DVD-VR	• DVD-RW only	• DVD-RW only	• DVD-RW only
4R ¹ /+R DL ¹ /+RW ¹	Divx®2	• DVD-R, DVD-R DL	• DVD-R, DVD-R DL	• DVD-R, DVD-R DL
	Video	•	•	•
	CD-DA	•	•	•
	Video CD	•	•	•
CD ¹ , CD-R ¹ /CD-RW ¹⁺³	MP3 ⁴	•	•	•
	JPEG	•	•	•
	Divx®2	•	•	•
Recordable Discs				
	Ver.2.0	• 2x Speed	• 2x Speed	• 2x Speed
	Ver.2.1	• 2-3x Speed	• 2-3x Speed	• 2-3x Speed
	Ver.2.2	• 2-5x Speed	• 2-5x Speed	• 2-5x Speed
	Ver.2.0	• 1x Speed	• 1x Speed	• 1x Speed
	Ver.2.0	• 1-4x Speed	• 1-4x Speed	• 1-4x Speed
	Ver.2.0	• 1-8x Speed	• 1-8x Speed	• 1-8x Speed
	Ver.2.1	• 1-16x Speed	• 1-16x Speed	• 1-16x Speed
	Ver.3.0	• 2-4x Speed	• 2-4x Speed	• 2-4x Speed
	Ver.3.0	• 2-8x Speed	• 2-8x Speed	• 2-8x Speed
	Ver.1.1	• 1x Speed	• 1x Speed	• 1x Speed
	Ver.1.1	• 1-2x Speed	• 1-2x Speed	• 1-2x Speed
	Ver.1.2	• 2-4x Speed	• 2-4x Speed	• 2-4x Speed
	Ver.1.2	• 2-6x Speed	• 2-6x Speed	• 2-6x Speed
	Ver.1.0	• 2-4x Speed	• 2-4x Speed	• 2-4x Speed
	Ver.1.1	• 2-4-4x Speed	• 2-4-4x Speed	• 2-4-4x Speed
+R	Ver.1.2	• 2-4-8x Speed	• 2-4-8x Speed	• 2-4-8x Speed
	Ver.1.3	• 2-4-16x Speed	• 2-4-16x Speed	• 2-4-16x Speed
	Ver.1.0	• 2-4x Speed	• 2-4x Speed	• 2-4x Speed
+R DL	Ver.1.1	• 2-4-8x Speed	• 2-4-8x Speed	• 2-4-8x Speed
	Ver.1.1	• 2-4x Speed	• 2-4x Speed	• 2-4x Speed
+RW	Ver.1.2	• 2-4-4x Speed	• 2-4-4x Speed	• 2-4-4x Speed
Recording Format				
DVD-RAM	DVD Video Recording Format	DVD Video Recording Format	DVD Video Recording Format	DVD Video Recording Format
DVD-R, DVD-R DL, DVD-RW	DVD-Video Format ⁸	DVD-Video Format ⁹	DVD-Video Format ⁸	DVD-Video Format ⁸
Built-in Hard Disk Capacity Recording Time (Approximate)				
		400 GB#	250GB#	-
	XP Mode	89 hours	55 hours	-
	SP Mode	178 hours	110 hours	-
	LP Mode	357 hours	221 hours	-
	EP Mode ⁵	534 / 712 hours	331/441 hours	-
	XP Mode	1 hour	1 hour	1 hour
	SP Mode	2 hours	2 hours	2 hours
	LP Mode	4 hours	4 hours	4 hours
	EP Mode ⁵	6 / 8 hours	6 / 8 hours	6 / 8 hours
	XP Mode	1 hour 45 minutes	1 hour 45 minutes	55 minutes (First Layer) / 50 minutes (Second Layer)
	SP Mode	3 hours 35 minutes	3 hours 35 minutes	1 hour 50 minutes (First Layer) / 1 hour 40 minutes (Second Layer)
	LP Mode	7 hours 10 minutes	7 hours 10 minutes	3 hours 40 minutes (First Layer) / 3 hours 20 minutes (Second Layer)
	EP Mode ⁵	10 hours 45 minutes / 14 hours 20 minutes (DVD-R DL only)	10 hours 45 minutes / 14 hours 20 minutes (DVD-R DL only)	5 hours 30 minutes (First Layer) / 5 hours 15 minutes (Second Layer) 7 hours 25 minutes (First Layer) / 6 hours 50 minutes (Second Layer)
VIDEO				
		PAL colour signal, 625 lines, 50 fields	PAL colour signal, 625 lines, 50 fields	PAL colour signal, 625 lines, 50 fields
		NTSC colour signal, 525 lines, 60 fields	NTSC colour signal, 525 lines, 60 fields	NTSC colour signal, 525 lines, 60 fields
Recording System				
Input	Video In	MPEG2 (Hybrid VBR)	MPEG2 (Hybrid VBR)	MPEG2 (Hybrid VBR)
	S-Video In	AV1 / AV2 (21 pin), AV3 / AV4 (pin jack)	AV1 / AV2 (21 pin), AV3 / AV4 (pin jack)	AV1 / AV2 (Hybrid VBR)
	Video Out	AV2 (21 pin), AV3 / AV4 (S terminal)	AV2 (21 pin), AV3 / AV4 (S terminal)	AV2 (S terminal)
	S-Video Out	AV1 / AV2 (21 pin), Video Out (pin jack)	AV1 / AV2 (21 pin), Video Out (pin jack)	Video Out (pin jack)
	RGB Out	AV1 (21 pin), S-Video Out (S terminal)	AV1 (21 pin), S-Video Out (S terminal)	S-Video Out (S terminal)
Component Video Output (Y, PB, PR)				
		AV1 (21 pin) [PAL]	AV1 (21 pin) [PAL]	-
AUDIO				

Recording System		Dolby Digital 2ch, Linear PCM (XP mode)	Dolby Digital 2ch, Linear PCM (XP mode)
Input	Audio In	AV1 / AV2 (2 pin), AV3/AV4 (pin jack)	AV1 / AV2 (2 pin), AV3/AV4 (pin jack)
Output	Audio Out	AV1 / AV2 (2 pin), Audio Out (pin jack)	AV1 / AV2 (2 pin), Audio Out (pin jack)
	Digital Audio Out	Optical terminal (PCM, Dolby Digital, DTS, MPEG)	Optical terminal (PCM, Dolby Digital, DTS, MPEG)
VIDEO/AUDIO			
	DV Input		
	HDMI Output: 576i, 576p, 720p, 1080i		
	WIERA Link		
TUNER			
	Tuner System	PAL-B, DVB-T	PAL-B, DVB-T
	Channel Coverage	[PAL-B] Australia VHF: 0-12, UHF: 28-69, CATV: 45MHz-470MHz [DVB-T] Australia VHF: 6-12, UHF: 27-69	[PAL-B] Australia VHF: 0-12, UHF: 28-69, CATV: 45MHz-470MHz [DVB-T] Australia VHF: 6-12, UHF: 27-69
	EPG	7 Day ¹³	7 Day ¹³
VHS			
	Playback Format		Hi-Fi, SQRB
	Operations		Repeat Play, x30 Search
	Rec. System		SPL/EP
	Copying Way		One-touch 2-way Copying
USB Terminal			
	USB standard	USB2.0 High Speed	USB2.0 Full Speed
	Format	FAT 16*, FAT 32* *USB mass storage class only	FAT 16*, FAT 32* *USB mass storage class only
	DivX [®] 2	300 Recognisable folders per USB on this unit (including root folder)	300 Recognisable folders per USB on this unit (including root folder)
	Maximum number of DivX files	200 Recognisable DivX files per USB on this unit ⁹	200 Recognisable DivX files per USB on this unit ⁹
	Format	JPEG	JPEG
	Still Picture [JPEG]	Compatible pixels Compatible compression rate Compatible sampling rate	Between 34 x 34 and 6,144 x 4,096 pixels Sub sampling 4:2:2 or 4:2:0. This unit is not compatible with MOTION JPEG. 32kbps-320kbps
	MP3	16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz This unit is compatible with ID3 tags.	16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz This unit is compatible with ID3 tags.
	Maximum number of folders	300 Recognisable folders per USB on this unit (including the root folder)	300 Recognisable folders per USB on this unit (including the root folder)
	Maximum number of MP3 files	3000 Recognisable MP3 files per USB on this unit ⁹	3000 Recognisable MP3 files per USB on this unit ⁹
	Maximum number of JPEG files	3000 Recognisable JPEG files per USB on this unit ⁹	3000 Recognisable JPEG files per USB on this unit ⁹
SD Card Slot			
	SD Memory Card Slot		
	Compatible Media ⁶	<ul style="list-style-type: none"> SD Memory Card*, SDHC Memory Card, Multi Media Card * includes miniSDTM Cards (A miniSDTM Adaptor needs to be inserted) / includes microSDTM Cards (A microSDTM Adaptor needs to be inserted) 	
	Format	FAT12, FAT16 ⁷ [SD Memory Card/ Multi Media Card] FAT32 ⁷ [SDHC Memory Card]	
	Format	JPEG conforming DCF (Design rule for Camera File system)	
	Still Picture [JPEG]	Compatible Pixels	Between 34 x 34 and 6,144 x 4,096 pixels Sub sampling: 4:2:2 or 4:2:0
	Codec	MPEG2 [SD-Video Entertainment Video Profile]	
	File Format	SD-Video format conforming Video Recording conversion and transfer is possible from card to HDD or DVD-RAM disc. After Video Recording conversion and transfer to HDD or DVD-RAM disc, the playback is possible.	
	Power Supply	AC 220-240V, 50Hz	AC 220-240V, 50Hz
	Power Consumption (Approximate)	Normal Use Power Save Mode	Approx. 36 W Approx. 2 W
	Dimensions (W x H x D) (excluding the projecting parts) (mm)	430 x 59 x 326	430 x 84 x 345
	Weight (Approximate)	4.2 kg	5.4 kg
	Operating Temperature	5 - 40 °C	5 - 40 °C
	Operating Humidity Range	10-80 %RH (no condensation)	10-80 %RH (no condensation)

¹ Discs recorded and finalised on recording devices.
² Official DivX® Certified product. Plays all versions of DivX® video (including DivX®) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
³ About DivX®
 DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
⁴ This is a popular media format for CD-R and CD-RW. It may not be able to play on CD-R or CD-RW due to the addition of the recording.
⁵ For content recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
⁶ In EP mode, you can select either 6 hours or 8 hours of recording. The sound quality in 6-hour EP mode is higher quality than in 8-hour EP mode.
⁷ DMW-EX888 is compatible with SD Memory Card / miniSD™ Cards/ microSD™ Cards (A miniSD™ / microSD™ adaptor needs to be inserted). These units are compatible with DCF based.
 Specifications are subject to change without notice. Weight and dimensions are approximate.
 * This RECORDER IS NOT RECOMMENDED FOR RECORDING OF ANY FILMS, SOUND RECORDINGS OR BROADCASTS TO ANY RECORDING MEDIA. THE ACT ONLY PERMITS TO COPY BROADCASTS FOR PRIVATE AND DOMESTIC PURPOSES IN LIMITED CIRCUMSTANCES. PANASONIC DOES NOT AUTHORISE ANY USE OF THIS RECORDER IN ANY WAY WHICH MAY AMOUNT TO A BREACH OF ANY LAW OR THE RIGHTS OF ANY OWNER OF COPYRIGHT IN FILM OR BROADCAST.

still picture (JPEG) files recorded using a digital camera. These units are not compatible with sound, moving pictures or with types of still pictures other than JPEG. When saving still pictures on Hard Disk Drive, it is recommended that you copy them to the SD Memory Card or DVD-RAM also.

⁷ Long file name is not supported.
⁸ Compatible to DVD-Video format after finalised.
⁹ The number of Recognisable files including MP3, JPEG, DivX and other type of files is 6000.
¹⁰ Where applicable. Recognisable file including MP3, JPEG, DivX and other type of files is less.
¹¹ USB = one billion bytes. Usable capacity will be less.
 Specifications are subject to change without notice. Weight and dimensions are approximate.

•	-
YES	NO

Wireless Rear	Configuration	2 way 2 speaker, Bass-reflex
	Speaker Unit [Approx.]	6.5cm Cone Type x 2
Front Speaker	Weight [kg]	3.7
	Dimensions [W x H x D] [mm]	252 x 1123 x 235
Centre Speaker	Configuration	2 way 2 speaker, Bass-reflex
	Speaker Unit [Approx.]	6.5cm Cone Type x 2 (Bambao Diaphragm)
Surround Speaker	Weight [kg]	1.3
	Dimensions [W x H x D] [mm]	270 x 94 x 95
Subwoofer	Configuration	1 way 1 speaker, Bass-reflex
	Speaker Unit [Approx.]	6.5cm Cone Type
Power Output	Weight [kg]	3.7
	Dimensions [W x H x D] [mm]	252 x 1123 x 235
RECEIVER UNIT	Configuration	Bass reflex
	Speaker Unit [Approx.]	25 cm Passive Radiator/16cm Woofer
RECEIVER UNIT	Weight [kg]	4.7
	Dimensions [W x H x D] [mm]	181 x 361 x 315
RECEIVER UNIT	Weight [kg]	0.72
	Dimensions [W x H x D] [mm]	165 x 90 x 164

*1 BD-ROM Profile 1 version 1.1
 *2 Discs recorded and finalised on DVD video recorders/cameras.
 *3 Official DivX® Certified product. Plays all versions of DivX® Video (including DivX®6) with standard playback of DivX®6 media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
 About DivX®
 DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
 *4 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *5 For content recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.
 *6 Made for iPod. iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
 *7 To enjoy iPod video content, please connect your home cinema sound system with composite video cable to your TV.
 *8 "BONUSVIEW" is a trademark of Blu-ray Disc Association.
 * Notes: Total harmonic distortion is measured by digital spectrum analyser.
 Design and specifications are subject to change without notice.

•	-
YES	NO

SPEAKER SYSTEM	Weight with Rechargeable Battery (g) [Approx.]	1123	1020
	Dimensions (including battery) [W x D x H] [mm] [Approx.]	242.6 x 179.3 x 51.5	242.6 x 173.5 x 46.6

*1 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX®6 media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
 About DivX®
 DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.
 *2 For content recorded for your personal use only.
 *3 You can play MPEG4 data (conforming to SD VIDEO specifications [ASF standard]/MPEG4 (Simple Profile) video system/6.776 audio system) recorded with the Panasonic SD multi cameras or DVD Recorders on to CD-R/RW.
 This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for: (i) encoding video in compliance with the MPEG-4 Visual Standard ("MPEG-4 Video") and/or (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA, LLC. See http://www.mpegla.com.
 *4 Discs recorded and finalised on DVD video recorders/cameras.
 *5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *6 Disc that cannot be played: "Chaooji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
 *7 When Brightness is set to lowest level and headphones only.
 *8 Depending on the type of headset you may not be able to attach the bracket.
 *9 iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Home Theatre Audio System		SC-HT65		
RECEIVER SECTION	RMS Power Output	Total Power	1000W	
	Front	125W x 2 (1kHz, 3ohms, 10% THD)		
	Centre	250W (1kHz, 6ohms, 10% THD)		
	Surround	125W x 2 (1kHz, 3ohms, 10% THD)		
	Subwoofer	250W (100Hz, 6ohms, 10% THD)		
	5.1ch Digital Amplifier		•	
	Centre Focus		•	
	S. F. C.		•	
	Wireless Ready		• SH-FX67)*	
	Auto Speaker Setup		•	
INPUT/OUTPUT	HDMI Terminals		• 2-In, 1-Out	
	Digital Input		• [2 Optical, 1 Coaxial]	
	3 Audio Input		•	
	Weight [kg]		4.1kg	
	Dimensions [W x H x D] [mm]		430 x 105 x 388	
	SPEAKER SYSTEM	Configuration	Full Range, Bass-reflex	
		Speaker Unit	6.5cm Cone Type x 2	
		Weight [kg] [Approx]		3.7
		Dimensions [W x H x D] [mm] [Approx]		252 x 1123 x 235
		Configuration	2 way 2 speaker, Bass-reflex	
Speaker Unit		6.5cm Cone Type x 2		
Weight [kg] [Approx]			1.3	
Dimensions [W x H x D] [mm] [Approx]			270 x 94 x 95	
Configuration		Full Range, Bass-reflex		
Speaker Unit		6.5cm Cone Type		
Weight [kg] [Approx]		0.6kg		
Dimensions [W x H x D] [mm] [Approx]		92 x 142 x 95		
Configuration	Bass-reflex			
Speaker Unit	16cm cone type			
Weight [kg] [Approx]		3.6kg		
Dimensions [W x H x D] [mm] [Approx]		133 x 415 x 257		
Subwoofer		11kg		
Remote Weight [kg] [Approx.]				
Remote Dimensions [W x H x D] [mm]		51 x 29.9 x 172		

*With the purchase of a SH-FX67.
 Design and specifications are subject to change without notice.

DVD HOME THEATRE	SC-PT865	SC-PT560	SC-PT460
Playable Type			
DVD-Video	•	•	•
DVD-RAM-RW*1 / R*1 / -R (DL)*1	•	•	•
+R*1 / +R (DL)*1 / +RW*1	•	•	•
SVCD*2	•	•	•
Video CD	•	•	•
CD, CD-R/RW*3	•	•	•
WMA	•	•	•
MP3*4	•	•	•
JPEG	•	•	•
MPEG4	•	•	•
DivX®*5	•	•	•
Television Signal System	PAL/625/50, PAL/525/60, NTSC	PAL/625/50, PAL/525/60, NTSC	PAL/625/50, PAL/525/60, NTSC
Home Theatre Mode (RMS)			
Total Power	1250W	1000 W	1000 W
Front	250W x 2 (1kHz, 6ohms, 10% THD)	125W x 2 (1kHz, 3ohms, 10% THD)	125W x 2 (1kHz, 3ohms, 10% THD)
Centre	250W (1kHz, 6ohms, 10% THD)	250W (1kHz, 6ohms, 10% THD)	250W (1kHz, 6ohms, 10% THD)
Surround	125W x 2 (1kHz, 3ohms, 10% THD)	125W x 2 (1kHz, 3ohms, 10% THD)	125W x 2 (1kHz, 3ohms, 10% THD)
Subwoofer	250W (100Hz, 6ohms, 10% THD)	250W (100Hz, 6ohms, 10% THD)	250W (100Hz, 6ohms, 10% THD)
Total Power	740W	590W	590W
Front	150W x 2 (1kHz, 6ohms, 1% THD)	75W x 2 (1kHz, 3ohms, 1% THD)	75W x 2 (1kHz, 3ohms, 1% THD)
Centre	150W (1kHz, 6ohms, 1% THD)	145W (1kHz, 6ohms, 1% THD)	145W (1kHz, 6ohms, 1% THD)
Surround	70W x 2 (1kHz, 3ohms, 1% THD)	75W x 2 (1kHz, 3ohms, 1% THD)	75W x 2 (1kHz, 3ohms, 1% THD)
Subwoofer	150W (100kHz, 6ohms, 1% THD)	145W (100kHz, 6ohms, 1% THD)	145W (100kHz, 6ohms, 1% THD)
Digital Amplifier	•	•	•
Whisper-mode Surround	•	•	•
Surround Enhancer	•	•	•
H-Bass	-	-	-
Dolby Pro Logic II	• (All 2ch Source)	• (All 2ch Source)	• (All 2ch Source)
Centre Focus	• (Real Centre Focus)	• (Real Centre Focus)	• (Real Centre Focus)
EQ	• (4 preset)	• (4 preset)	• (4 preset)
Subwoofer Level Control	•	•	•
Subwoofer Boost	•	•	•
Auto Speaker Setup	-	-	-
Digital Synthesiser Tuner	• (FM/AM)	• (FM/AM)	• (FM/AM)
Remote Control	• (AV Remote Control)	• (AV Remote Control)	• (AV Remote Control)
Dolby Digital Decoder	•	•	•
DTS Decoder	•	•	•
Dialogue Enhancer	•	•	•
1080p Up-Conversion with HDMI	•	•	•
Advanced Progressive Scan (PAL/NTSC)	•	•	•
Cinema Mode	•	•	•
Zoom	•	•	•
Monitor Selector	•	•	•
Video D/A Converter	108MHz/12-bit	108MHz/12-bit	108MHz/12-bit
Universal Dock for iPod*6	Integrated	Integrated	Integrated
On-Screen Display for iPod Music Menu	•	•	•
iPod Music Playback	•	•	•
iPod Video & Photo Playback*7	•	•	•
HDMI Terminals	•	•	•
Video Out	•	•	•
Component Video Out	•	•	•
Digital Input	• (optical)	• (optical)	• (optical)
Audio Input	• (AUX)	• (AUX)	• (AUX)
USB Terminal	• (for MP3, WMA, JPEG, MPEG4, DivX*8 Playback)	• (for MP3, WMA, JPEG, MPEG4, DivX*8 Playback)	• (for MP3, WMA, JPEG, MPEG4, DivX*8 Playback)
Wireless Terminal	•	•	•
Headphone	•	•	•
VIERA Link	• (HDMI Control 3)	• (HDMI Control 3)	• (HDMI Control 3)
Weight (kg)	3.4	3.4	3.4
Dimensions (W x H x D) (mm) [Approx]	430 x 68 x 327	430 x 68 x 327	430 x 68 x 327

DVD PLAYERS	DVD-S54	DVD-S33-K
Playable Type		
DVD-Video	•	•
DivX*1	•	•
DVD-VR	•	•
MP3*2	•	•
JPEG	•	•
MPEG4*3	•	•
DivX*1	•	•
DVD-Video	•	•
DVD-VR	•	•
MP3*2	•	•
JPEG	•	•
MPEG4*3	•	•
DivX*1	•	•
Video	•	•
CD-DA	•	•
Video CD	•	•
SVCD*4	•	•
WMA	•	•
MP3*2	•	•
JPEG	•	•
MPEG4*3	•	•
DivX*1	•	•
Television Signal System	PAL 625/50, PAL 525/60, NTSC	PAL 625/50, PAL 525/60, NTSC
Video D/A Converter	108MHz/12-bit	108MHz/12-bit
HD Up-Conversion	• (1080p/1080i/720p)	-
HD Enhancer	•	•
Deep Colour	•	•
Advanced Progressive Scan	•	•
Variable Zoom	• x2, x4, Auto)	• x2, x4, Auto)
Digital Noise Reduction	•	•
Picture Mode	• *7	• *7
Soft Skin Detail	•	•
Monitor Select	•	•
Audio D/A Converter	192kHz/24-bit	96kHz/24-bit
Audio Re-Master	•	•
TV Delay	•	•
Dolby Digital Decoder	• (2ch)	• (2ch)
DTS Decoder	• (2ch)	• (2ch)
Advanced Surround (V.S.S.)	•	•
Dialogue Enhancer	•	•
Dynamic Range Compression	•	•
VIERA Link	• (HDMI control 2)	-
DVD-RAM Speed Control Playback	•	-
Direct Navigator/ Playlist Playback (DVD-RAM)	•	-
Slow & Fast Audio Playback (DVD-RAM/ DVD-Video)	•	• (DVD-Video only)
High-Speed Search	• (x64)	• (x64)
Quick OSD	•	•
Manual Skip	•	•
Quick Replay	•	•
Audio/Jpeg Navigation Menu	•	•
HDMI Terminal	•	•
Component Video Out (Y, PB, PR)	•	•
S-Video Out	• 8	• 8
Video Out	•	•
Zch Audio Out	•	•
Digital Audio Out	• (I coaxial)	• (I coaxial)
Horizontal Resolution	More than 500 lines	More than 500 lines
Video S/N	More than 65dB	More than 65dB
Audio S/N	115dB	115dB
Dynamic Range	100dB	DVD 92dB / CD 90dB

FORMAT

VIDEO

AUDIO

CONVENIENT

INPUT/OUTPUT

IONS

Power Source	AC 230-240V, 50Hz	AC 230-240V, 50Hz
Power Consumption	9W	9W
Weight [kg]	2.0 [approx.]	2.0 [approx.]
Dimensions (W x H x D) incl. protrusions	430mm x 43mm x 239mm (approx.)	430mm x 43mm x 263mm (approx.)

SPECIFICAT

*1 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license. About DivX®, DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.

*2 For content recorded for your personal use only.

*3 You can play MPEG4 data (conforming to SD VIDEO specifications [ASF standard]/MPEG4 (Simple Profile) video system/G.726 audio system) recorded with the Panasonic SD multi cameras or DVD Recorders on to CD-R/RW or DVD-RAM.

This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 Visual Standard ("MPEG-4 Video") and/or (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA, LLC. See <http://www.mpegla.com>.

*4 Discs recorded and finalised on DVD video recorders/cameras.

*5 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

*6 Disc that cannot be played: "Chaoji VCD" - available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

*7 NORMAL, CINEMA1, CINEMA2, ANIMATION, DYNAMIC

*8 Switchable

•	-
YES	NO

Wireless Rear	• *	Ready **10	Ready **10
Configuration	2 way 2 speaker, Bass-reflex	1 way 1 speaker, Bass-reflex	1 way 1 speaker, Bass-reflex
Speaker Unit	6.5cm Cone Type x 2	6.5cm Cone Type	6.5cm Cone Type
Weight [kg] [Approx]	3.7	3.7	0.6
Dimensions (W x H x D) [mm] [Approx]	252 x 1123 x 235	252 x 1123 x 235	92 x 142 x 95
Configuration	2 way 2 speaker, Bass-reflex	2 way 2 speaker, Bass-reflex	1 way 2 speaker, Bass-reflex
Speaker Unit	6.5cm Cone Type x 2 [Bamboo Diaphragm]	6.5cm Cone Type x 2 [Bamboo Diaphragm]	6.5cm Cone Type x 2 [Bamboo Diaphragm]
Weight [kg] [Approx]	1.3	1.3	1.3
Dimensions (W x H x D) [mm] [Approx]	252 x 1123 x 235	252 x 1123 x 235	252 x 1123 x 235
Configuration	1 way 1 speaker, Bass-reflex	1 way 1 speaker, Bass-reflex	1 way 1 speaker, Bass-reflex
Speaker Unit	6.5cm Cone Type	6.5cm Cone Type	6.5cm Cone Type
Weight [kg] [Approx]	3.7	0.6	0.6
Dimensions (W x H x D) [mm] [Approx]	252 x 1123 x 235	92 x 142 x 95	92 x 142 x 95
Configuration	25 cm Passive Radiator/16cm Woofer [Kelton Type]	25 cm Passive Radiator/16cm Woofer	16cm Cone Type
Speaker Unit	25 cm Passive Radiator/16cm Woofer [Kelton Type]	25 cm Passive Radiator/16cm Woofer	16cm Cone Type
Weight [kg] [Approx]	4.7	4.7	3.6
Dimensions (W x H x D) [mm] [Approx]	181 x 361 x 315	181 x 361 x 315	153 x 415 x 257
Power Output	125W x 2 [1kHz, 3ohms, 10% THD]		
Weight [kg] [Approx]	0.65		
Dimensions (W x H x D) [mm] [Approx]	165 x 90 x 164		

*1 Discs recorded and finalised on DVD video recorders/cameras.

*2 Disc that cannot be played: "Chaoji VCD" - available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

*3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

*4 For content recorded on CD-R/RW media from CDs for personal use. Playability may vary depending on conditions and discs.

*5 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.

About DivX®

DivX® is a popular media technology created by DivX®, Inc. DivX® media files contain highly compressed video with high visual quality that maintains a relatively small file size.

*6 Made for iPod. iPod not included. iPod is a registered trademark of Apple Inc., registered in the U.S. and other countries.

*7 To enjoy iPod video contents, please connect your home theatre sound system with composite cable to your TV.

*8 Playback bit rate via USB is up to 4Mbps.

*9 Wireless kit for rear speakers included.

*10 With the purchase of SH-FX67.

Notes: Total harmonic distortion is measured by digital spectrum analyser.

Design and specifications are subject to change without notice.

•	-
YES	NO

Speaker System for SC-BT105		SB-HS100A	
Surround		Surround	
Number of Speakers	1 way 1 Speaker, Bass reflex	1 way 1 Speaker, Bass reflex	
Configuration	0.72	0.72	
Speaker Unit	6.5cm Full Range	6.5cm Full Range	
Input Power (IEC)	MAX RATED	125W / 3Q 63W / 3B	
Sound Pressure Level		80dB/W (1.0m)	
Frequency Range		84Hz-25kHz (-16dB)	
Weight [kg] [Approx.]	1	1	
Dimensions (W x H x D) [mm] [Approx.]	121 x 328 x 129	121 x 328 x 129	

Design and specifications are subject to change without notice.

•	-
YES	NO

Rear Wireless Transmitter for Home Theatre Sound System		SH-FX67	
Receiver Unit		125W x 2 [1kHz, 3ohms, 10% THD]	
Playable Type		0.72	
Weight [kg] [Approx.]		165 x 90 x 164	

Design and specifications are subject to change without notice.

•	-
YES	NO

DVD Mini System	SC-VK860	SC-VK660
Playable Type		
DVD-Video	•	•
DVD-RAM/-RW*/-R (DL)*1	•	•
+R*/+RW*/+RW (DL)*1	•	•
SVCD*2	•	•
Video CD	•	•
CD-R/RW*3	•	•
HighMAT [Level 2]	•	•
WMA	•	•
MP3*4	•	•
JPEG	•	•
MPEG4*5	•	•
DivX*6	•	•
Television Signal System		
RMS Power Output	660W	345W
Centre focus	-	-
Advance Surround	-	-
Super Surround Sound	-	-
Super Sound EQ	-	-
Preset EQ	• [Heavy, Clear, Soft, Disco, Live, Hall]	• [Heavy, Clear, Soft, Disco, Live, Hall]
Manual EQ	•	•
Dolby Digital Decoder	•	• [2ch]
Dolby Pro Logic II	•	-
DTS Decoder	•	• [2ch + Digital Out]
Dialogue Enhancer	•	•
Progressive Scan	•	•
Cinema Mode	•	•
4:3 TV Zoom	•	•
Monitor Select	•	•
Video D/A Converter	108MHz/12-bit	108MHz/12-bit
Type	Feather Touch/1 Side Auto Reverse	Feather Touch/1 Side Auto Reverse
Heads	Solid permalloy head	Solid permalloy head
Record/ Playback Erasure	Double gap ferrite head	Double gap ferrite head
Wow & Flutter	0.18% [WRMS]	0.18% [WRMS]
Fast Forward and Rewind Time	Approx. 120 sec. [C-60]	Approx. 120 sec. [C-60]
FM Frequency Range	FM 87.50 - 108.00MHz [50kHz step]	FM 87.50 - 108.00MHz [50kHz step]
AM Frequency Range	[AM] 522 - 1629kHz [10kHz step]	[AM] 522 - 1629kHz [9kHz step], 520 - 1630kHz [10kHz step]
Component Video Out	•	•
Video Out	•	•
USB Terminal	•	•
Music Port	•	•
Audio Input	• [for MP3*4, WMA, JPEG, MPEG4*5, DivX*6 Playback]	• [for MP3*4, WMA, JPEG, MPEG4*5, DivX*6 Playback]
Digital Output	•	•
Weight [kg]	5.5	7.5
Dimensions [W x H x D] [mm]	250 x 330 x 334.6	250 x 330 x 333.6
Configuration	3-way, 3-speaker, Bass-reflex	3-way, 3-speaker, Bass-reflex
Full Range	12cm cone type	16cm cone type
Woofer	20cm cone type	6cm cone type
Super Tweeter	2.5cm titanium dome type	Piezo type
Weight [kg]	6.1	2.6
Dimensions [W x H x D] [mm]	250 x 429.5 x 298.5	220 x 330 x 182
Configuration	2-way, 2-speaker system	2-way, 2-speaker system
Full Range	6.5cm cone type x 2	piezo type
Super Tweeter	1.4	1.4
Dimensions [W x H x D] [mm]	330 x 104 x 94.5	
Configuration	2-way, 3-speaker, Bass-reflex	
Full Range	8cm cone type x 2	
Super Tweeter	piezo type	
Weight [kg]	1.6	
Dimensions [W x H x D] [mm]	140 x 331 x 146.5	

DVD Mini System	SC-NC9
Playable Type	
DVD-Video	•
DVD-RAM/-RW*/-R (DL)*1	•
+R*/+RW*/+RW (DL)*1	•
SVCD*2	•
Video CD	•
CD-R/RW*3	•
HighMAT [Level 2]	•
WMA	•
MP3*4	•
JPEG	•
MPEG4*5	•
DivX*6	•
Television Signal System	NTSC, PAL 625/60, PAL 525/60
H Bass	•
Centre focus	•
Surround	•
Bi-Amp Twin Speakers	• [Heavy, Clear, Soft, EQ Off]
Preset EQ	•
Manual EQ	•
Double FL Display	•
Dolby Digital Decoder	•
Dolby Pro Logic II	•
DTS Decoder	•
VERA Link	• [HDMI/ Control 2]
Dialogue Enhancer	•
Progressive Scan	•
Cinema Mode	•
4:3 TV Zoom	•
Monitor Select	•
Video D/A Converter	108MHz/12-bit
Type	Feather Touch/ Auto Reverse
Heads	Solid permalloy head
Record/ Playback Erasure	Double gap ferrite head
Wow & Flutter	0.18% [WRMS]
Fast Forward and Rewind Time	Approx. 120 sec. [C-60]
FM Frequency Range	FM 87.50 - 108.00MHz [50kHz step]
AM Frequency Range	AM 522 - 1629kHz [9kHz step]
HDMI Terminals	•
Component Video Out	•
S-Video Out	•
Video Out	•
USB Terminal	• [for MP3, WMA, JPEG, MPEG4 Playback]
Music Port	•
Audio Input	•
Digital Output	•
Weight [kg]	7.1
Dimensions [W x H x D] [mm]	208 x 388 x 342
Configuration	2-way, 2-speaker system
Woofer	16cm cone type
Tweeter	2.5cm dome type
Weight [kg]	4.6
Dimensions [W x H x D] [mm]	201 x 383 x 277
Configuration	2-way, 2-speaker system
Full Range	6.5cm cone type x 2
Weight [kg]	1.6
Dimensions [W x H x D] [mm]	380 x 113 x 105
Configuration	2-way, 2-speaker system
Woofer	16cm cone type
Tweeter	2.5cm dome type
Weight [kg]	4.6
Dimensions [W x H x D] [mm]	201 x 383 x 277
Weight [kg]	9.6
Dimensions [W x H x D] [mm]	260 x 791 x 295
Configuration	Bass reflex

Configuration	Bass reflex	Bass reflex
Woofer	16cm aluminum cone type x 2	16cm cone type
Weight (kg)	6.1	3.7
Dimensions (W x H x D) (mm)	200 x 427.5 x 359	220 x 330 x 303

*1 Discs recorded and finalised on DVD video recorders/cameras.
 *2 Disc that cannot be played: "Chaoyi VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
 *3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *4 For contents recorded on CD-R/RW media from CDs for personal use, playability may vary depending on conditions and discs.
 *5 You can play MPEG4 data (conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system) recorded with the Panasonic SD multi cameras or DVD Recorders.
 *6 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
 *7 MPEG4/DivX® can playback but not guarantee.
 Design and specifications are subject to change without notice.

•	-
YES	NO

Mini Systems	SC-AK770	SC-AK270
AMPLIFIER SECTION	RMS Power Output 700W (1kHz, 10% THD) Preset EQ 4 (Heavy, Soft, Clear, Vocal, Surround (on/off)) Manual EQ • Digital Synthesiser Tuner • Station Presets 30-FM/15-AM Auto Tuning • Frequency Range FM 87.50 - 108.00MHz (50kHz step) AM 522 - 1629kHz (9kHz step) 5-CD Changer Play-1 Change-4 Playable Type CD, CD-R/RW ¹ and MP3 ² MASH 1-bit DAC (CD) Type Feather-touch, 1-way TPS (Tape Program Sensor) 9-track Universal Dock for iPod Compatible ³ USB Recording from CD to Digital Audio Player • USB Playback MP3 ² , WMA • Music Port • Re-Master (Analogue/Digital Processing) • D.Bass • Subwoofer Level Control Fluorescent Display • Auto Power Off • Programmable Timer PLAY/REC/SLEEP • Wireless Remote Control • Dimensions (W x H x D) 250 x 331 x 334 mm Weight 4.9 kg	RMS Power Output 250W (1kHz, 10% THD) Preset EQ 7 (Heavy, Soft, Clear, Vocal, Disc, Live, Hifi) Manual EQ • Digital Synthesiser Tuner • Station Presets 25-FM/15-AM Auto Tuning • Frequency Range FM 87.50 - 108.00MHz (50kHz step) AM 522 - 1629kHz (9kHz step) 5-CD Changer Play-1 Change-4 Playable Type CD, CD-R/RW ¹ and MP3 ² MASH 1-bit DAC (CD) Type Feather-touch, 1-way TPS (Tape Program Sensor) 9-track Universal Dock for iPod Compatible ³ USB Recording from CD to Digital Audio Player • USB Playback MP3 ² • Music Port • Re-Master (Analogue/Digital Processing) • D.Bass • Subwoofer Level Control Fluorescent Display • Auto Power Off • Programmable Timer PLAY/REC/SLEEP • Wireless Remote Control • Dimensions (W x H x D) 250 x 331 x 342 mm Weight 4.7 kg
GENERAL	Type 2-way, 2-speaker, Bass-reflex Woofer 16cm cone type Tweeter 6cm cone type Dimensions (W x H x D) 221 x 401 x 244 mm Weight 3.53 kg Type 1-way, Bass-reflex Subwoofer 25cm cone type Dimensions (W x H x D) 320 x 411 x 330 mm Weight 7.15 kg	Type 2-way, 2-speaker, Bass-reflex Woofer 16cm cone type Tweeter 6cm cone type Dimensions (W x H x D) 219 x 334 x 196 mm Weight 2.6 kg Type 1-way, Bass-reflex Subwoofer 25cm cone type Dimensions (W x H x D) 320 x 411 x 330 mm Weight 7.15 kg
FRONT SPEAKER SYSTEM		
SUBWOOFER SYSTEM		

*1 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *2 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use, playability may vary depending on conditions and discs.
 *3 Optional kit SH-GD10
 Design and specifications are subject to change without notice.

•	-
YES	NO

Woofer	17cm cone type
Subwoofer	
Weight (kg)	5.2
Dimensions (W x H x D) (mm)	231 x 385 x 236

*1 Discs recorded and finalised on DVD video recorders/cameras.
 *2 Disc that cannot be played: "Chaoyi VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.
 *3 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *4 For contents recorded on CD-R/RW media from CDs for personal use, playability may vary depending on conditions and discs.
 *5 You can play MPEG4 data (conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system) recorded with the Panasonic SD multi cameras or Recorders.
 *6 Official DivX® Certified product. Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. DivX®, DivX® Certified, and associated logos are trademarks of DivX®, Inc. and are used under license.
 *7 MPEG4/DivX® can playback but not guarantee.
 Design and specifications are subject to change without notice.

•	-
YES	NO

Micro System	SC-PM54
AMPLIFIER SECTION	RMS Power Output 180W (1kHz, 6ohms, 10% THD) Bi-Amp • H-Bass • Preset EQ 4 (Heavy, Clear, Soft, Vocal) Digital Synthesiser Tuner Main Unit & Remote Control • Station Presets 15-FM/15-AM Frequency Range FM 87.50 - 108.00MHz (50kHz step), AM 522 - 1629kHz (9kHz step) / 520 - 1630kHz (10kHz step) Playable Type CD, CD-R/RW ¹ and MP3 ² D/A Converter MASH 1-bit DAC Type Feather-touch, 1-way TPS (Tape Program Sensor) 9-track Universal Dock for iPod • USB Port • Music Port • Dimensions (W x H x D) 175 x 249 x 355 mm Weight 5.4 kg Type 3-way, 3-speaker, Bass-reflex Full Range • Woofer 10cm Tweeter 6cm Super Tweeter Yes Dimensions (W x H x D) 144 x 249 x 200 mm Weight 2 kg
TUNER SECTION	
CD PLAYER SECTION	
CASSETTE DECK SECTION	
CONNECTION	
GENERAL	
SPEAKER SYSTEM	

*1 This unit can play CD-DA format audio CD-R and CD-RW. It may not be able to play some CD-R or CD-RW due to the condition of the recording.
 *2 MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia. For contents recorded on CD-R/RW media from CDs for personal use, playability may vary depending on conditions and discs.
 *3 iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
 Design and specifications are subject to change without notice.

•	-
YES	NO

