FEATURE COMPARISON & SPECIFICATIONS: DVD HOME THEATRE SYSTEMS

	HTZ787DVD(-AP†)	HTZ585DVD-AP†	HTZ-FS30DVD(-AP†)	HTZ282DVD(-AP†)/ HTZ280DVD(-AP†)	HTZ181DVD/ HTZ180DVD	CX505-K/CX500-K	CX303-K
System							
Functions	5 (DVD/Tuner/USB/ Line 1/Line 2)††	5 (DVD/Tuner/USB/ Line 1/Line 2)††	5 (DVD/Tuner/USB/ Line 1/Line 2)††	4 (DVD/Tuner/USB/Line)††	4 (DVD/Tuner/USB/Line)	5 (DVD/Tuner/USB/Line/ Front Audio IN)	5 (DVD/Tuner/USB/Line/ Front Audio IN)
Amplifier							
Output Power PMPO	7500 W	7500 W	3750 W	4500 W	4500 W	7500 W	3750 W
RMS Front, 1 kHz, 10 % THD, 4 Ω	100 W/ch	100 W/ch	100 W/ch	60 W/ch	60 W/ch	100 W/ch	100 W/ch
Centre, 1 kHz, 10 % THD, 4 Ω	100 W	100 W		60 W	60 W	100 W	
Surround, 1 kHz, 10 % THD, 4 Ω	100 W/ch	100 W/ch		60 W/ch	60 W/ch	100 W/ch	
Subwoofer, 100 Hz, 10 % THD, 4 Ω	100 W	100 W	100 W	60 W	60 W	100 W	100 W
Playback Media and Playback Modes on Disc Media/USB							
Progressive Scan (PAL/NTSC)	•	•	•	•	•	•	•
DVD-Video/DVD-R/DVD-R DL/DVD-RW*¹	•	•	•	•	•	•	•
DVD+R (Video)/DVD+RW (Video)*¹	•	•	•	•	•	•	•
SVCD/VCD/CD/CD-R/CD-RW*¹	•	•	•	•	•	•	•
Music File: MP3*², WMA*³, MPEG-4 AAC*⁴	•	•	•	•	•	•	•
Video File: DivX Video*⁵, JPEG*⁶, WMV	•	•	•	•	•	• (except WMV, disc media only)	• (except WMV, disc media only)
GigaByte Music (DVD Data Disc Playback)	•	•	•	•	•	•	•
PLAYLIST for Easy Song Selection	•	•	•	•	•	•	•
PHOTO + MUSIC MIX	•	•	•	•	•	•	•
Surround Format and Sound Features							
DTS, Dolby Digital, Dolby Pro Logic II	•	•	• (except Dolby Pro Logic II)	•	•	•	• (except Dolby Pro Logic II)
Front Stage Surround Advance	•	•		•	•	•	
Front Surround Mode				•	•	•	
Extra Power Mode	•	•		•	•	•	
Bass Mode	•	•	•	•	•	•	•
Advanced Surround (7 Modes)	•	•					
Sound Field Control				• (6 Modes)	• (6 Modes)	• (7 Modes)	• (7 Modes)
MP3 Expander				•	•	•	•
Voice Enhancer				•	•	•	
Virtual Surround							•
MCACC Automatic Optimal Surround Set-up	• (Advanced)	• (Advanced)					
Advanced Sound Retriever	•	•	•				
Auto Level Control	•	•					
Karaoke (Key Control, Echo)	•	•	•	•	•	•	•
Terminals							
USB Memory Audio Ready	1	1	1	1	1	1	1
HDMI for High Definition TV	1	1	1	1	1		
Component Video Out	1	1	1	1	1	1	1
Front Audio Mini Jack Input						1	1
S-Video Out/Composite Video Out	0/1	0/1	0/1	0/1	0/1	1/1	1/1
Optical Digital Input/Output	1/-	1/-	1/1				
Analogue Audio Input	1	1	1	1	1	1	1
Power Requirements (Singapore/HK)	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz
(Other areas)	110-220 V 50/60 Hz	110-220 V 50/60 Hz	110-220 V 50/60 Hz	110-220 V 50/60 Hz	110-220 V 50/60 Hz		

	EV90DVD/EV70DVD	EV50DVD	HTD88DVD
System			
Functions	5 (DVD/Deck/Tuner/USB/Line)	5 (DVD/Deck/Tuner/USB/Line)	5 (DVD/Tuner/TV/Line1/Line2)
Cassette Deck	•	•	
Amplifier			
Output Power PMPO	7500 W	2500 W	7500 W
RMS Front, 1 kHz, 10 % T.H.D., 6 Ω	100 W/ch	100 W/ch	100 W/ch
Centre, 1 kHz, 10 % T.H.D., 6 Ω	100 W		100 W
Surround, 1 kHz, 10 % T.H.D., 6 Ω	100 W/ch		100 W/ch
Subwoofer, 100 Hz, 10 % T.H.D., 6 Ω	100 W		100 W
Playback Media and Playback Modes on Disc Media/USB			
Progressive Scan (PAL/NTSC)	•	•	• (NTSC only)
DVD-Video/DVD-R/DVD-R DL/DVD-RW*¹	•	•	• (except DVD-R DL)
DVD+R (Video)/DVD+RW (Video)*¹	•	•	
SVCD/VCD/CD/CD-R/CD-RW*¹	•	•	•
Music File: MP3*², WMA*³, MPEG-4 AAC*⁴	•	•	• (except MPEG-4 AAC)
Video File: DivX Video*⁵, JPEG*⁶	• (disc media only)	• (disc media only)	• (JPEG/disc media only)
GigaByte Music (DVD Data Disc Playback)	•	•	
PLAYLIST for Easy Song Selection	•	•	
PHOTO + MUSIC MIX	•	•	
Surround Format and Sound features			
DTS, Dolby Digital, Dolby Pro Logic II	•	• (except Dolby Pro Logic II)	•
Front Surround Mode	•		•
Extra Power Mode	•		•
Bass Mode	• (X. Boom)	• (X. Boom)	•
Advanced Surround (8 Modes)	•		•
Sound Field Control (6 Modes)	•	•	
Karaoke (Key control, Echo)	•	•	• (except Key control/Echo)
Terminals			
USB Memory Audio Ready	1	1	
Component Video out	1		1
S-Video out/Composite Video out	0/1	0/1	1/1
Digital Audio Input			1
Analogue Audio Input/Output	1/0	1/0	1/1
Pioneer SR+ Input/SR Output			1/0
Power Requirements (Singapore/HK)	110-127/220-230/240 V 50/60 Hz	110-127/220-230/240 V 50/60 Hz	110-127/220-230/240 V 50/60 Hz

¹ Malaysia, Singapore, Thailand, and Hong Kong only.

†† Bluetooth function is available when the optional adapter is inserted into the adapter terminal.

*¹ CD-R/RW DVD-R/R DL/RW DVD+R/RW Playback: Disc may not be played back because of following reasons: recording characteristics of recorder, characteristics of disc, scratches and dust on disc, dust and condensation on pickup lens. CD-R/CD-RW Playback: CD-R/CD-RW discs for Audio, recorded in CD Audio, Video CD or MP3/ WMA/MPEG-4 AAC audio formatting can be played back. Unfinalized discs cannot be played back. DVD-R/R DL/ RW Playback: Unfinalized discs cannot be played back.

*² Compatible with MPEG1 Audio Layer3 format with a sampling rate of 32, 44.1 or 48 kHz.

*³ WMA content can be encoded by using Windows Media® Player version 7.7.1, Windows Media® Player for Windows® XP, or Windows Media® Player 9 series. Compatible with sampling rate of 32, 44.1 or 48 kHz. WMA files encoded with DRM (Digital Rights Management) copy protection will not play.

*⁴ This player is compatible with MPEG-4 AAC files with M4A or m4a as an extension. Compatible with sampling rate of 32, 44.1 or 48 kHz. MPEG-4 AAC files encoded with DRM (Digital Rights Management) copy protection will not play.

*⁵ Plays DivX® video
DivX Certified to play DivX video

*⁶ JPEG file compatibility: This player is compatible with FUJI COLOR CD and KODAK Picture CD formats, as well as CD-R/CD-RW/CD-ROMs containing JPEG files.

A CD recording format should be in accordance with ISO9660 Level1 or Level2 CD-ROM file system. DVD recording format should be in accordance with UDF Bridge file system. Note that if the file structure is very complex, you may not be able to read/play all files on the disc.

USB interface
The USB interface is compatible with USB mass storage devices including external magnetic hard devices, portable flash memory (particularly key drives) and digital audio players (MP3 players) of format FAT 16/32. It is not possible to connect this unit to a personal computer for USB playback. Pioneer cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assumes no responsibility for any loss of data that may occur when connected to this unit. With large amounts of data, it may take longer for the system to read the contents of a USB device.

A/V Components 2009-2010

Indulge All Your Senses with the Ultimate Home Entertainment Experience

Feature Highlights of the New A/V Receivers

Our latest A/V receivers bring the sound of studio master to your home, by joining Pioneer-original surround sound technologies — Phase Control and MCACC — with DTS-HD Master Audio and Dolby TrueHD new generation audio formats. Features by HDMI connection also provide enhanced video and audio, as well as superior sound from your iPod/iPhone.
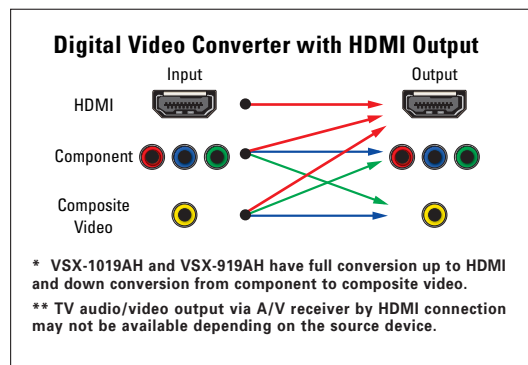
HDMI Connection

HDMI Terminals

HDMI ensures lossless transmission for high-quality pictures and sound, as signals remain in a pure digital state. The Pioneer A/V receivers also support Deep Colour and x.v.Colour.

HDMI Terminals	VSX-1019AH	VSX-919AH	VSX-819H	VSX-519V
HDMI Input/Output	4/1 (Repeater)	3/1 (Repeater)	3/1 (Repeater)	2/1 (Repeater)
Deep Colour	•	•	•	•
x.v.Colour	•	•	•	•
KURO LINK	•	•		

Digital Video Converter with PureCinema™ and HDMI Upscaler* (VSX-1019AH/VSX-919AH)

The new digital video converter includes various technologies for enjoying high-definition video, such as PureCinema™ progressive scan circuit for processing I/P conversion of 480i analogue signals and advanced GUI control. The VSX-1019AH features a video upscaler by Anchor Bay Technology for upscaling 480i/p video signals up to 1080p. The VSX-1019AH and VSX-919AH allow HDMI output of all analogue video signals.

* VSX-1019AH only

Digital Video Converter with HDMI Output

Input — Output
HDMI
Component
Composite Video

* VSX-1019AH and VSX-919AH have full conversion up to HDMI and down conversion from component to composite video.

** TV audio/video output via A/V receiver by HDMI connection may not be available depending on the source device.

HDMI Repeater

Pioneer A/V receivers feature an HDMI repeater function. Unlike HDMI switching which only transfers high-definition video signals, the HDMI repeater allows full-digital transfer of high-definition audio as well as up to 1080p video signals. Although the VSX-519V does not have Dolby TrueHD or DTS-HD Master Audio decoders, it does allow you to enjoy HD audio via LPCM output through HDMI.

HDMI Repeater vs. HDMI Switching

Blu-ray Disc Player — Cable
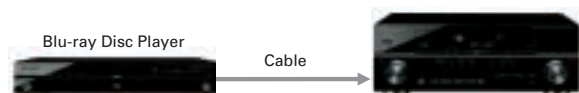
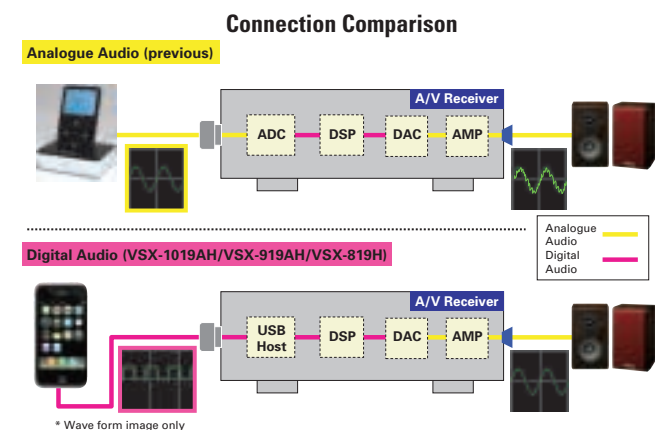|	HDMI Repeater	HDMI Switching	Legacy Cable
Connection Type	Video Audio	Video Audio	Video Audio
HD Audio	Yes (Dolby TrueHD / dts-HD Master Audio)	— (Dolby Digital / dts Digital Surround) (Digital)	Dolby Surround (Analogue)
Auto Lip-Sync	Yes	—	—

Precision Quartz Lock System (PQLS) — Jitter-Free Audio Transmission via HDMI (VSX-1019AH/VSX-919AH)

Through an HDMI connection with a compatible Pioneer Blu-ray Disc player, the VSX-1019AH and VSX-919AH perfect CD playback with the proprietary Precision Quartz Lock System (PQLS). This technology eliminates distortion from timing errors, giving the best possible digital-to-analogue conversion from audio CD sources for jitter-free playback and dynamic sound quality.

iPod/iPhone Connection

iPod®/iPhone Digital Connection via USB (VSX-1019AH/VSX-919AH/VSX-819H)

Enjoy iPod videos, pictures and music via digital connection. The VSX-1019AH, VSX-919AH, and VSX-819H each come with an iPod/iPhone connection cable allowing direct USB connection to the front panel without having to buy a docking station. The audio signals are directly transferred to the A/V receiver's high-performance DAC, offering superior sound. What's more, you can operate your iPod with the A/V receiver's remote control. With an iPhone/iPod Touch, you can even watch YouTube video enlarged on your TV screen. The VSX-1019AH and VSX-919AH can display album artwork on an HDTV.

Connection Comparison

Analogue Audio (previous)

A/V Receiver
ADC — DSP — DAC — AMP

Digital Audio (VSX-1019AH/VSX-919AH/VSX-819H)

A/V Receiver
USB Host — DSP — DAC — AMP

Analogue Audio
Digital Audio

* Wave form image only

High-Performance Technologies for Superior Sound Quality
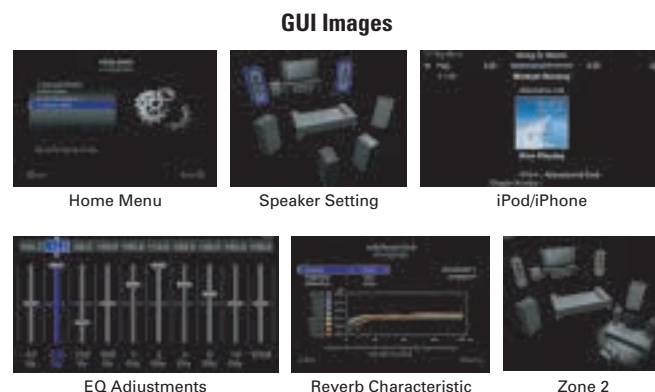
Advanced Sound Retriever

Pioneer's latest A/V receivers feature the Advanced Sound Retriever, which significantly improves the sound quality of compressed audio — such as WMA, MPEG-4 AAC, and MP3 — to the level of CD sound. The Advanced Sound Retriever creates new signals to restore the minor details left out during the compression process. The VSX-1019AH and VSX-919AH feature an Advanced Sound Retriever for multi-surround sound, which is compatible with DVD soundtrack such as Dolby Digital or DTS.

Auto Level Control

Auto Level Control equalises volume level differences between tracks when playing music from iPod or other sources. The Auto Level Control on the VSX-1019AH and VSX-919AH supports multi-channel playback, maintaining a consistent level even at low volumes.

New GUI (VSX-1019AH/VSX-919AH)

The GUI on the latest A/V receivers has been refined, resulting in enhanced ease-of-use. Each function has a dedicated GUI screen, displaying, for instance, iPod/iPhone data, speaker settings, or EQ adjustments.

GUI Images

Home Menu — Speaker Setting — iPod/iPhone

EQ Adjustments — Reverb Characteristic — Zone 2

VSX-1019AH-K

New Generation Audio Formats
▶ DTS-HD/Dolby TrueHD decoders

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Advanced MCACC setup with 9-band EQ
▶ Standing Wave Control
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control (Multi)
• Advanced Direct Energy Power Amplifier

Features for Superior Sound Quality
▶ Maximum power (6 ohms): 170 W x 7ch
▶ PQLS 2ch Audio
• Digital Core Engine with Freescale 400MIPS Processing DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS-ES/DTS 96/24/Dolby Digital EX/Dolby Digital Plus decoders
• Neural-THX Surround
• Sound Delay for adjusting Lip Sync (0.0-10.0 frames)
• Dialogue Enhancement

Enhanced Convenience
▶ iPod player digital direct via USB
▶ USB memory audio ready (USB Host function)
▶ HDMI Upscaler
▶ Digital video converter (up to HDMI)
▶ Multi-Zone Audio/Video (Zone 2)

VSX-919AH-K(-S)

New Generation Audio Formats
▶ DTS-HD/Dolby TrueHD decoders

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Advanced MCACC setup with 9-band EQ
▶ Standing Wave Control
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control (Multi)
• Advanced Direct Energy Power Amplifier

Features for Superior Sound Quality
▶ Maximum power (6 ohms): 170 W x 7ch
▶ PQLS 2ch Audio
• Digital Core Engine with Freescale 400MIPS Processing DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS-ES/DTS 96/24/Dolby Digital EX/Dolby Digital Plus decoders
• Sound Delay for adjusting Lip Sync (0.0-10.0 frames)
• Dialogue Enhancement

Enhanced Convenience
▶ iPod player digital direct via USB
▶ USB memory audio ready (USB Host function)
▶ Digital video converter (up to HDMI)
▶ Multi-Zone Audio/Video (Zone 2)

Silver finish also available (VSX-919AH-S) in some areas

	DTS-HD/Dolby TrueHD	MCACC	iPod Digital	Advanced Sound Retriever	Auto Level Control
VSX-1019AH	•	• (Advanced)	•	• (Multi-ch)	• (Multi-ch)
VSX-919AH	•	• (Advanced)	•	• (Multi-ch)	• (Multi-ch)
VSX-819H	•	•	•	• (2ch)	• (2ch)
VSX-519V			•	• (2ch)	• (2ch)

VSX-819H-K(-S)

New Generation Audio Formats
▶ DTS-HD/Dolby TrueHD decoders

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Auto MCACC setup
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control (2ch)

Features for Superior Sound Quality
▶ Maximum power (6 ohms): 150 W x 5ch
• Digital Core Engine with Texas Instruments Aureus™ DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS 96/24/DTS Neo:6/Dolby Digital/Dolby Pro Logic IIx decoders
• Sound Delay for adjusting Lip Sync (0.0-9.0 frames)
• Stream Direct (for pure and unprocessed digital sound)

Enhanced Convenience
▶ HDMI repeater (3 in/1 out), x.v.Colour, Deep Colour compatible
▶ iPod player digital direct via USB
▶ USB memory audio ready (USB Host function)
▶ Multi-Zone Audio (Zone 2)

Silver finish also available (VSX-819H-S) in some areas

VSX-519V-K(-S)

Pioneer-Exclusive Innovations
▶ Phase Control (Bass management system ensures precision low frequency output)
▶ Advanced Sound Retriever (for enhanced PC and portable audio)
▶ Front Stage Surround Advance
▶ Auto Level Control (2ch)

Features for Superior Sound Quality
▶ Maximum power (6 ohms): 150 W x 5ch
• Digital Core Engine with Texas Instruments Aureus™ DSP
• 192 kHz/24-bit DAC

Surround Sound Technologies
• DTS 96/24/Dolby Digital/Dolby Pro Logic II decoders
• Sound Delay for adjusting Lip Sync (0.0-9.0 frames)
• Stream Direct (for pure and unprocessed digital sound)

Enhanced Convenience
▶ HDMI repeater (2 in/1 out), x.v.Colour, Deep Colour compatible
▶ Multi-Zone Audio (Zone 2)

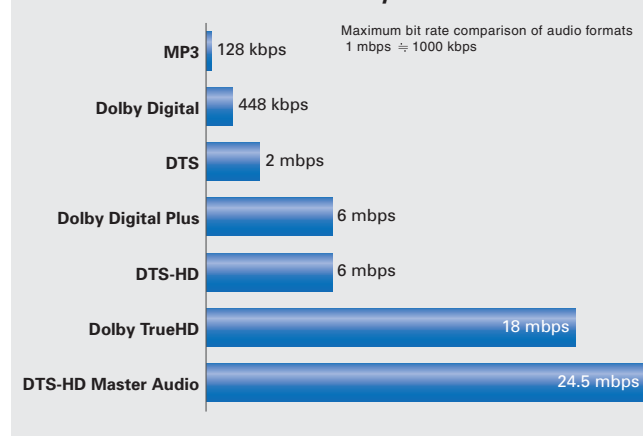Silver finish also available (VSX-519V-S) in some areas

New Generation Audio Formats

DTS-HD Master Audio and Dolby TrueHD provide sound that is bit-for-bit identical to the studio master, delivering sound at extremely high variable bit rates far exceeding standard DVDs.

Comparison of High Definition Audio Formats

Compressed		Uncompressed
Lossless	Lossy	
Dolby TrueHD	Dolby Digital Plus	Linear PCM
DOLBY TrueHD	DOLBY DIGITAL PLUS	Uncompressed 48 kHz/16-bit audio format similar to CD, but with higher sampling frequencies and quantization. No decoding required.
DTS-HD Master Audio	DTS-HD High Resolution Audio	
dts-HD Master Audio	dts-HD High Resolution Audio	

HD Audio vs. Lossy Formats

Maximum bit rate comparison of audio formats
1 mbps ≒ 1000 kbps

Format	Bit rate
MP3	128 kbps
Dolby Digital	448 kbps
DTS	2 mbps
Dolby Digital Plus	6 mbps
DTS-HD	6 mbps
Dolby TrueHD	18 mbps
DTS-HD Master Audio	24.5 mbps

FEATURE COMPARISON & SPECIFICATIONS: A/V RECEIVERS

	VSX-1019AH-K	VSX-919AH-K(-S)	VSX-819H-K(-S)	VSX-519V-K(-S)
Power Output				
Rated Power Output				
Stereo (20 Hz - 20 kHz, 0.2 % THD)	90 W + 90 W (8 ohms)	90 W + 90 W (8 ohms)	65 W + 65 W (8 ohms)	65 W + 65 W (8 ohms)
Rated Power Output				
Multi-ch (1 kHz, 1 % THD)				
Front	140 W/ch (6 ohms)	140 W/ch (6 ohms)	125 W /ch (6 ohms)	125 W /ch (6 ohms)
Centre	140 W (6 ohms)	140 W (6 ohms)	125 W (6 ohms)	125 W (6 ohms)
Surround	140 W/ch (6 ohms)	140 W/ch (6 ohms)	125 W /ch (6 ohms)	125 W /ch (6 ohms)
Surround Back	140 W/ch (6 ohms)	140 W/ch (6 ohms)		
Maximum Power (RMS, 1 kHz, 10 % THD)	170 W x 7ch (6 ohms)	170 W x 7ch (6 ohms)	150 W x 5ch (6 ohms)	150 W x5ch (6 ohms)
Amplifier Design				
Channels	7	7	5	5
Amplification Type	Hybrid	Hybrid	Discrete	Discrete
Impedance Guarantee	6 ohms	6 ohms	6 ohms	6 ohms
MCACC Features				
Auto MCACC	Advanced (9 Band EQ)	Advanced (9 Band EQ)	•	
DSP Design				
Digital Core Engine	Freescale 400 MIPS Processing DSP	Freescale 400 MIPS Processing DSP	Texas Instruments Aureus™ DSP	Texas Instruments Aureus™ DSP
DAC	192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit	192 kHz/24-bit
DSP Features (License or Format)				
DTS-HD Master Audio	•	•	•	
Dolby TrueHD	•	•	•	
Dolby Digital EX	•	•	•	
Dolby Digital	•	•	•	•
Dolby Pro Logic II/Dolby Pro Logic IIx	• / •	• / •	• / •	• / –
DTS-HD High Resolution Audio	•	•	•	
DTS Express	•	•	•	
DTS Neo:6	•	•	•	
DTS-ES	•	•	•	
DTS 96/24	•	•	•	•
DTS	•	•	•	•
WMA9 Pro	•	•		
Neural THX Surround	•	•		
DSP Features (Original)				
Phase Control	•	•	•	•
Advanced Surround Modes	13 Modes*1	13 Modes*1	9 Modes*2	9 Modes*2
Front Stage Surround Advance	• (Focus, Wide)	• (Focus, Wide)	•	•
Virtual Surround Back	•	•		
Advanced Sound Retriever	• (Multi)	• (Multi)	• (2ch)	• (2ch)
Dialogue Enhancement	•	•		
Midnight Listening Mode	•	•	•	•
Loudness	•	•	•	•
Tone Control	•	•	•	•
Audio Features				
Auto Level Control	• (Multi)	• (Multi)	• (2ch)	• (2ch)
Sound Delay (Lip-Sync)	• (10 frame)	• (10 frame)	• (9 frame)	• (9 frame)
Stream Direct	•	•	•	•
HDMI				
1080p Transferring	•	•	•	•
x.v.Colour	•	•	•	•
Deep Colour	•	•	•	•
Repeater	•	•	•	•
Video Converter	Up to HDMI (Full Convert)	Up to HDMI (Full Convert)		
iPod*3				
iPod® Digital Audio	•	•	•	
Supported Models	5th gen./nano and above/iPhone	5th gen./nano and above/iPhone	5th gen./nano and above/iPhone	
USB				
Terminal Type	A-Type	A-Type	A-Type	
USB Host Function (for Audio Playback)	•	•	•	
Tuner				
FM/AM Tuner	•	•	•	•
Radio Random Preset Select	63	63	30	30
FM/AM 3-Speed Accelerated Tuning	•	•		
Remote Control				
Type	Preset	Preset	Preset	SR
Terminals (Main Room)				
HDMI Input/Output	4/1 (Repeater)	3/1 (Repeater)	3/1 (Repeater)	2/1 (Repeater)
USB Input (for Memory Audio)	1	1	1	
Digital Coaxial Input/Output	2/0	1/0	1/0	1/0
Digital Optical Input/Output	2/0	2/0	2/0	2/0
Analogue Multi-ch Input	• (5.1ch)	• (5.1ch)	• (5.1ch)	• (5.1ch)
Preamp Output	• (SW)	• (SW)	• (SW, SBL, SBR)	• (SW)
Audio Input/Rec. Output	4*4/1	4*4/1	4*4/1	4*4/1
A/V (Composite) Input/Rec. Output	4/1	4/1	4/1	3/1
Component Video Input	2 (assignable)	2 (assignable)	2 (assignable)	2 (assignable)
Monitor Video Output (to TV): Component/Composite	1/1	1/1	1/1	1/1
Miscellaneous				
Dimensions (W x H x D)	420 x 158 x 349 mm	420 x 158 x 349 mm	420 x 158 x 347.7 mm	420 x 158 x 347.7 mm
Weight	8.7 kg	8.7 kg	9.0 kg	8.8 kg
Power Requirements	110/120-127/220/230-240 V 50/60 Hz	110/120-127/220/230-240 V 50/60 Hz	110-127/220-240 V 50/60 Hz	110-127/220-240 V 50/60 Hz
Power Consumption	330 W	330 W	285 W	280 W
Power Consumption during Standby	0.7 W (Stby - KURO LINK off) 0.8 W (Stby - KURO LINK on)	0.7 W (Stby - KURO LINK off) 0.8 W (Stby - KURO LINK on)	0.8 W	0.7 W

*1 Action, Drama, Sci-Fi, Mono Film, Entertainment Show, Expanded Theater, TV Surround, Advanced Game, Sports, Classical, Rock/Pop, Unplugged, Extended Stereo + Phones Surround
*2 Action, Drama, Entertainment Show, Advanced Game, Sports, Classical, Rock/Pop, Unplugged, Extended Stereo
*3 The units are compatible with 5th generation and newer iPod, iPod nano, iPod touch, and iPhone, but compatibility may vary depending on the software incorporated in your iPod. The Pioneer A/V receivers do not support software versions prior to iPod update 2004-10-20. Consult your nearest Pioneer dealer for supported versions.
While connected to the A/V receiver, iPod cannot be controlled directly and only the word "Pioneer" is displayed on the iPod display. Functions such as equalizer cannot be controlled using the receiver, so we recommend you to turn off the equalizer before connecting. iPod is for legal or rightholder-authorized copying only. Don't steal music. iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
*4 Tuner included.

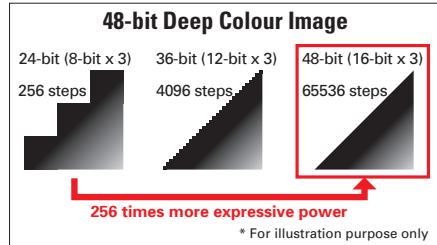# Feature Highlights of the New Blu-ray Disc Players

Since introducing the world's first Laser Disc player, followed by our expertise in DVD technology, Pioneer has remained at the forefront of optical disc innovations. The latest Blu-ray Disc players bring forth our continuous pursuit for high-resolution, natural colours, and quality sound, giving you the thrilling experience of high-definition sound and images like never before.

Innovative Video Technologies

The Blu-ray Disc players were developed by Pioneer engineers who absolutely love movies. Since introducing the innovative LaserDisc, then throughout the DVD to Blu-ray Disc era, Pioneer remains committed to offering the best stay-at-home movie experience. Our passionate devotion to movies realised the world's first 1080/24p real film quality output. Pioneer Blu-ray Disc players can even upscale the resolution of your standard DVD collection, so that all your movies look better than ever. The Blu-ray Disc players are capable of 1080/24p output. By connecting with a compatible display, you can enjoy images in 24 frames per second (fps) — the real-cinema quality intended by the creators.

Deep Colour

The Pioneer Blu-ray Disc players support high-bit Deep Colour, offering images with superbly detailed, natural colour expression. The BDP-320 features the highest specification of 48-bit (except 1080p/50 and 1080p/60 output) colour depth, while the BDP-120 features 36-bit colour depth, providing natural and smooth colour gradations.

48-bit Deep Colour Image

24-bit (8-bit x 3)	36-bit (12-bit x 3)	48-bit (16-bit x 3)
256 steps	4096 steps	65536 steps

256 times more expressive power

* For illustration purpose only

Motion Adaptive IP Conversion (BDP-320)

The BDP-320 can convert 1080/60i high-definition sources for 1080/60p display. The Motion Adaptive IP Conversion feature can process in accordance with the moving image, delivering high-quality pictures with reduced picture noise.

Motion Adaptive IP Conversion

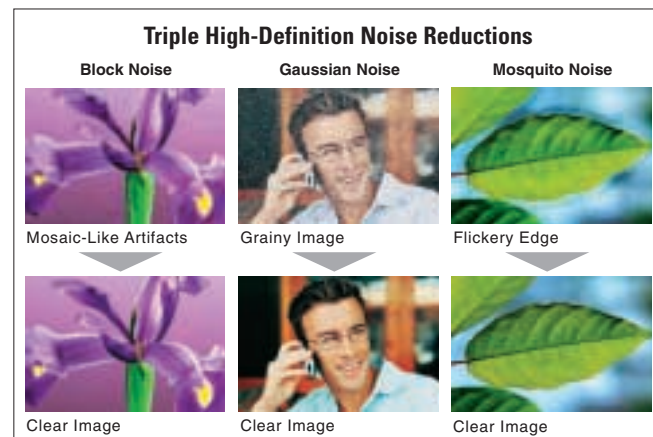Conventional IP Conversion   New IP Conversion
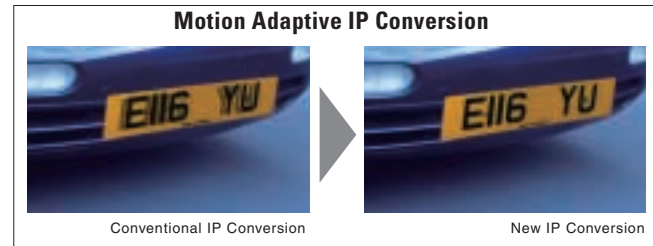
Triple High-Definition Noise Reductions (BDP-320)

The BDP-320 features 3 separate noise reduction circuits for enhanced video performance.
- Component Frame Noise Reduction (YNR/CNR): Reduces Gaussian noise without blurring the picture
- Block Noise Reduction: Reduces block noise in moving images
- Mosquito Noise Reduction: Reduces random noise along the outline of the images

The Pioneer-exclusive advanced PureCinema Deinterlacer also helps to remove annoying lines during playback.

Triple High-Definition Noise Reductions

Block Noise	Gaussian Noise	Mosquito Noise
Mosaic-Like Artifacts	Grainy Image	Flickery Edge
Clear Image	Clear Image	Clear Image

Video Adjust Mode (BDP-320)

TV and displays such as plasma TVs, LCD TVs, and projectors each have different picture quality characteristics. The Video Adjust Mode comes in 5 modes — in addition to Pioneer PDP which is optimised for Pioneer's KURO plasma TV, there are PDP, LCD, Projector, and Professional, adjusted by our engineers to best match the TV or display. You can now view your media in the ideal picture quality for your device.
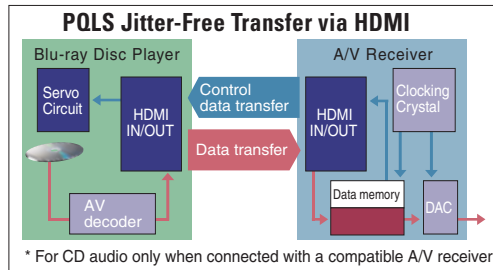
Video Adjust Mode

x.v.Colour

The units support "x.v.Colour", an advanced feature which greatly broadens the colour space input to include 1.8 times as many natural colours than the standard RGB signals when connected to a compatible display.

* "x.v.Colour" and "x.v.Colour" logo are trademarks of Sony Corporation.
** "x.v.Colour" only available for playback of discs recorded with AVCHD devices.

High-Performance Audio Technologies with HDMI

Precision Quartz Lock System (PQLS) with HDMI (BDP-320)

The BDP-320 features a 2-channel jitter-free CD audio transmission feature via HDMI (PQLS 2ch Audio). When connected to a compatible Pioneer A/V receiver, the Precision Quartz Lock System (PQLS) on the BDP-320 transmit CD music data from the Blu-ray Disc player to the A/V receiver with minimum jitters, providing an optimal audio experience.

PQLS Jitter-Free Transfer via HDMI

Blu-ray Disc Player — A/V Receiver

Servo Circuit / HDMI IN/OUT / Control data transfer / Data transfer / HDMI IN/OUT / Clocking Crystal / AV decoder / Data memory / DAC

* For CD audio only when connected with a compatible A/V receiver

New Generation Audio Formats

The units are compatible with bit-stream output/decoding of Dolby TrueHD and DTS-HD Master Audio. The decoding feature allows you to enjoy high-quality surround sound even when connected to A/V receivers without HD decoders.
* Dolby and the double-D symbol are registered trademark of Dolby Laboratories.
* DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.

Enhanced Convenience

BD-LIVE™

With BD-LIVE™ compatible discs, you can download special contents via the internet such as bonus features or languages not supported on the original disc. With the BDP-320, the downloaded data can be stored internally, as well as externally for large quantities on an HDD or USB memory stick via the USB port. The BDP-120 can store data externally on a USB memory stick.
* BD-LIVE™ only available on compatible discs and playable features depend on the disc contents. "BD-LIVE" is trademark of Blu-ray Disc Association.

Slim Design (BDP-120)

The 58 mm-high slim design allows you to easily place the unit in a small space on your TV stand or A/V rack.

Quick Start (BDP-120)

No need to wait — the unit starts up in 0.8 seconds from stand-by, ready for instant viewing.

HDMI Audio Off Mode (BDP-320)

Lets you turn off the TV sound when used with an A/V receiver.

Other Features

- Various Video Parameters (BDP-320)   - New User-Friendly GUI (BDP-320)
- Network Software Update Functions (BDP-320)   - KURO LINK

BDP-320

- 1080/24p
- Deep Colour (48-bit) compatible
- x.v.Colour compatible
- PQLS 2ch Audio
- KURO LINK
- Video adjustments (Progressive Motion/ PureCinema/YNR/CNR/BNR/MNR/Detail/White Level/Black Level/Black Setup/Gamma Correction/Hue/Chroma Level)
- Triple High-Definition Noise Reduction (Component Frame NR/Block NR/Mosquito NR)
- BD-LIVE™ compliant (profile 2.0)
- USB Input for BD-LIVE contents storage
- Dolby Digital Plus/Dolby TrueHD/DTS-HD High Resolution Audio/DTS-HD Master Audio decoders
- Advanced HD GUI
- Latest generation PureCinema Progressive Scan

BDP-120

- 1080/24p
- Deep Colour (36-bit) compatible
- x.v.Colour compatible
- KURO LINK
- BD-LIVE™ compliant (profile 2.0)
- USB Input for BD-LIVE contents storage
- Dolby Digital Plus/Dolby TrueHD/DTS-HD High Resolution Audio/DTS-HD Master Audio decoders
- Quick Start 0.8 sec.
- Skip Search (30 sec.)/Replay (10 sec.)

FEATURE COMPARISON & SPECIFICATIONS: BLU-RAY DISC PLAYERS

	BDP-320	BDP-120
Technical Features		
Playback Discs	Blu-ray Discs (BD-ROM, BD-R/RE) DVD Video (DVD-R/-R DL/-RW) DVD VR (DVD-R/-R DL/-RW) AVCHD (DVD-R/-R DL/-RW) CD (CD-DA, DTS-CD), PC-Files (CD, DVD (ISO 9660 file system only))	Blu-ray Discs (BD-ROM, BD-R/RE) DVD Video (DVD-R/-R DL/-RW) DVD VR (DVD-R/-R DL/-RW) AVCHD (DVD-R/-R DL/-RW) CD (CD-DA, JPEG File)
Dual System (PAL/NTSC)	•	•
Compressed Video and Music Playback		
DivX*	•	
JPEG PhotoViewer	•	•
MP3	•	
WMA	•	
Audio Features		
192 kHz/24-bit D/A Converter	•	•
DTS-HD High Resolution Audio Decoder	•	•
DTS-HD Master Audio Decoder	•	•
Dolby Digital Plus Decoder	•	•
Dolby TrueHD Decoder	•	•
PQLS 2ch Audio	•	
Video Features		
148.5 MHz/12-bit D/A Converter	•	•
Deep Colour	• (48-bit)	• (36-bit)
x.v.Colour	•	•
Video Adjust Mode	•	
Component Frame DNR	•	
Conveniences		
Resume Function (Stop Key)	•	•
10-Key Direct Search and Play (Chapter/Track)	•	
Screensaver	•	
Auto Power Off	•	•
Skip Search (30 sec.)/Replay (10 sec.)		•
Terminals		
HDMI Terminal	•	•
USB Input	•	•
Component Video Output	•	•
Composite Video Output	•	•
2ch Audio Out	•	•
Optical Digital Output	•	•
LAN	•	•
Specifications		
Power Requirements	AC 110-240 V 50/60 Hz	AC 100-240 V 50/60 Hz
Power Consumption	32 W	20 W
Power Consumption during Standby Mode	0.3 W	0.6 W
Dimensions (W x H x D)	420 x 75 x 287 mm	420 x 58 x 268 mm
Weight	3.5 kg	2.7 kg

* Plays DivX® video. DivX® is a registered trademark of DivX, Inc., and is used under license.

Feature Highlights of the New DVD Players

Innovations for Stunning Pictures

HDMI Upscaler and PureCinema Progressive Scan

The DV-610AV, DV-420V, and DV-220KV can upscale video signals from 480i/p to a maximum of 1080p HDMI output, allowing you to enjoy standard-definition video sources in HD resolution. All models feature Pioneer's 2-3 Pull-down PureCinema Progressive Scan Technology, which accurately inserts additional frames to the DVD data for natural, film-like images.

HD JPEG (DV-610AV/DV-420V/DV-220KV)

With the DV-610AV, DV-420V, and DV-220KV, you can view HD JPEG, the latest format for viewing megapixel images with enhanced resolution via HDMI connection to an HDTV.

Versatile Playback Functions

DivX® Video Playback

The DV-420V, DV-320, DV-220KV, and DV-120K feature the latest DivX® certification, allowing playback of exciting contents such as Hollywood movies. The units support playback from USB as well as DVD-R/RW/ROM and CD-R/RW/ROM discs, offering flexible media options.

The DV-610AV is an official DivX® Ultra Certified product, compatible with playback of enhanced DivX® video features.

Technologies for Versatile Image Control

Versatile Parameters for Video Control

Pioneer DVD players feature the Video Adjust function which allows versatile image control for customized picture quality. You can adjust Sharpness, Brightness, Contrast, Gamma, Hue, and Chroma Level.

Inputs and Outputs

HDMI Interface (DV-610AV/DV-420V/DV-220KV)

The DV-610AV, DV-420V, and DV-220KV feature HDMI (High Definition Multimedia Interface), an uncompressed, all-digital audio/video interface. For example, combine the DVD player with the latest Pioneer A/V receiver and a flat screen TV, and HDMI's all-digital signal processing gives you superior pictures and sound — with no loss.

USB Terminal

You can connect USB mass storage class devices to the DVD players for easy playback of WMA/MPEG-4 AAC/MP3 music files, JPEG photo files, and DivX® and WMV video files. Please refer to the feature comparison page for compatible formats.

CD -> USB Recording (DV-610AV/DV-420V/DV-320/DV-220KV/DV-120K)

You can directly record songs from CDs on to USB devices. The data is stored in MP3 format, letting you choose the bit rate from 128/192/320 kbps. You can copy the whole album, or select tracks.

Sound Retriever (DV-420V/DV-320/DV-220KV/DV-120K)

The Sound Retriever significantly improves compressed audio quality to the level of CD sound in 3 steps (high/low/off), by creating new signals to restore minor details left out during the compression process. The feature is effective for both analogue and digital output, and upgrades MP3/WMA sound closer to the original master.

Other Features:

- x1.4 playback with sound
- Auto power on/off
- Shuffle play
- 3-step scan during DivX® playback
- OSD on/off

DV-610AV-K(-S)

A high-performance DVD Audio/Video & SACD player featuring HDMI 1080p upscaling, USB, WMV playback, and DivX® Ultra playback

Black finish only available for Middle East and duty free. Silver finish not available in Israel.

Silver finish also available (DV-610AV-S)

DV-510K-S

An advanced DVD player featuring karaoke echo and digital key control, USB, JPEG Slideshow with Music, and DivX® playback

Not available in Middle East and Israel.

DV-420V-K(-S)

A multi-format DVD player featuring HDMI 1080p upscaling, USB, and DivX®/WMV playback

Silver finish also available.

Silver finish also available (DV-420V-S)

DV-320-K(-S)

A slim multi-format DVD player featuring Dual PureCinema Progressive Scan, USB, and DivX® playback

Silver finish only available in Middle East and Israel.

Silver finish also available (DV-320-S)

DV-220KV-K

A 360 mm-wide compact multi-format DVD player featuring HDMI 1080p upscaling, USB, karaoke, and DivX® playback

DV-120K-K

A 360 mm-wide compact multi-format DVD player with USB, karaoke, and DivX® playback

FEATURE COMPARISON & SPECIFICATIONS: DVD PLAYERS

	DV-610AV-K(-S)	DV-510K-S	DV-420V-K(-S)	DV-320-K(-S)	DV-220KV-K	DV-120K-K
Technical Features						
Playback Discs	DVD/SVCD/VCD/CD/DVD-Audio/SACD/CD-R/-RW/DVD-R/-R DL/-RW (Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW/(Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW/(Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW/(Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW/(Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)	DVD/SVCD/VCD/CD/CD-R/-RW/DVD-R/-R DL/-RW/(Video Mode, VR Mode W/CPRM)/DVD+R/+R DL/+RW (Video Mode)
Twin-Wave Laser Pickup	•	•	•	•	•	•
Dual System (PAL/NTSC)	•	•	•	•	•	•
Compressed Video and Music Playback						
WMV	•		•			
DivX	• (Ultra)*[1]	•*[2]	•*[3]	•*[3]	•*[3]	•*[3]
JPEG PhotoViewer	•	•	•	•	•	•
HD JPEG	•		•		•	
MPEG-4 AAC	•	•	•	•	•	
MP3/WMA	•	•	•	•	•	•
PHOTO + MUSIC MIX (JPEG Slideshow with Music)	•	•	•	•	•	•
Audio Features						
DVD Audio/SACD Multi Compatibility	•					
192 kHz/24-bit D/A Converter (6ch)	•					
96 kHz/24-bit D/A Converter	•	•	•	•	•	•
DTS 96/24 Decoder	•					
DTS 5.1-Channel Decoder	•					
DTS 2-Channel Downmix Output	•					
Dolby Digital 5.1-Channel Decoder	•					
Sound Retriever			•	•	•	•
Virtual Surround	•	•	•	•	•	•
Digital Output (Dolby Digital, DTS (DVD), MPEG Audio, Linear PCM)	•	•	•	•	•	•
Sound EQ		•	•	•	•	•
Dialogue		•	•	•	•	•
Karaoke Mic Echo/Digital Key Control		•				
Video Features						
Dual PureCinema Progressive Scan (PAL/NTSC)	•	•	•	•	•	•
108 MHz/12-bit D/A Converter	•	•	•	•	•	•
I/P Simultaneous Output	•		•		•	
BNR Block NR & Ringing NR	•					
Conveniences						
Last Memory (DVD)	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1	DVD: 5, VCD: 1
Resume Function (Stop Key)	•*[4]	•*[5]	•*[5]	•*[5]	•*[6]	•*[6]
10-Key Direct Search and Play (Chapter/Track)	•	•	•	•	•	•
KURO LINK			•			
CD->USB Recording	•		•	•	•	•
Terminals						
USB	1	1	1	1	1	1
Mic Jack		2			1	1
HDMI Terminal	1 (to 1080p/60 Hz, DSD)		1 (to 1080p/60 Hz)		1 (to 1080p/60 Hz)	
Component Video Output	1	1	1	1	1	1
S-Video Output	1	1	1	1	1	1
Video Output	1	1	1	1	1	1
5.1-Channel Audio Output	1					
Audio Output		1	1	1	1	1
Coaxial Digital Output	1	1	1	1	1	1
Optical Digital Output	1	1	1	1		
Specifications						
Power Requirements						
Malaysia, Singapore, Thailand, Hong Kong	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz	110-240 V 50/60 Hz
Other Areas	220-240 V 50/60 Hz		220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz	220-240 V 50/60 Hz
Power Consumption	12 W	11 W	11 W	11 W	11 W	11 W
Power Consumption during Standby Mode	0.8 W	0.8 W	0.7 W	0.7 W	0.6 W	0.6 W
Dimensions (W x H x D)	420 x 49.5 x 215.5 mm	420 x 49.5 x 222 mm	420 x 49.5 x 215.5 mm	420 x 49.5 x 215.5 mm	360 x 42 x 208 mm	360 x 42 x 208 mm
Weight	1.7 kg	1.7 kg	1.7 kg	1.7 kg	1.3 kg	1.3 kg

*[1] Plays DivX® video with menus, subtitles, and audio tracks.
*[2] Plays DivX® video.
*[3] Plays DivX® video, including premium content.
*[4] Not available with DVD-A/SACD/MPEG-4 AAC/WMA/MP3 playback.
*[5] Not available with MPEG-4 AAC/WMA/MP3 playback.
*[6] Not available with WMA/MP3 playback.

Powerful Music Component System

TODOROKI — the sound of thunder — is the powerful music component system for those who want to blast their music. Powerful yet precise, the system comes in a cool, glossy-black style with full connectivity for external devices.

Multi-Channel Surround Package

S-RS7TB/S-RS3TB

- 3-way tall-boy speakers with 16 cm cone x 2*, 7.7 cm cone x 1, 2.6 cm semi-dome x 1
- 10 cm cone x 2 centre speaker
- 10 cm cone x 1 surround speakers
- Maximum Power: 160 W x 5
- Dimensions (W x H x D):
  - 225 x 1080 x 265 mm (S-RS7TB), 215 x 980 x 265 mm (S-RS3TB) (front)
  - 350 x 130 x 164 mm (centre)
  - 180 x 130 x 164 mm (surround)
- Weight:
  - 13.1 kg (S-RS7TB), 10.2 kg (S-RS3TB) (front)
  - 2.6 kg (centre)
  - 1.3 kg (surround)
- Impedance: 8 ohms
* 16 cm cone speaker + 16 cm cone passive radiator

S-RS7TB

S-RS3TB

Active Subwoofer

S-RS3SW

- Maximum power: 200 W
- 30 cm unit
- Power switch
- Auto power on/off standby
- RCA output
- Phase switch
- Volume control
- Crossover adjustment
- Dimensions (W x H x D): 360 x 437 x 455 mm
- Weight: 15.2 kg

Recommended A/V Receiver for TODOROKI

VSX-RS319V-K

- Power Output: 190 W/ch (6 ohms)
- HDMI Switching
- Todoroki Mode (heavy bass mode)

Pure Audio Components — Re-Awaken Your Sound Instincts

A9

A6

* AIR Studios and the AIR Studios logo are registered trademarks of AIR Studios, Inc.

D9

D6

A-A9-S/A-A6-S

Integrated Amplifier
- AIR Studios sound tuning • Continuous power output: 70 W + 70 W (A-A9-S)/60 W + 60 W (A-A6-S) at 20 Hz-20 kHz, 4 ohms, 0.2 % THD, 55 W + 55 W (A-A9-S)/45 W + 45 W (A-A6-S) at 20 Hz-20 kHz, 8 ohms, 0.2 % THD • Twin large toroidal transformers (A-A9-S) • Twin transformers (A-A6-S) • USB input for PC (Type B) (A-A9-S) • Direct mode • Audio input: 6 (CD/PHONO/TAPE/AUX/TUNER/USB for PC) (A-A9-S)/5 (CD/PHONO/TAPE/AUX/TUNER) (A-A6-S) • Audio out: 2 (TAPE/PREOUT) (A-A9-S)/1 (TAPE) (A-A6-S) • Power requirement: AC 220-240 V, 50/60 Hz • Power consumption: 200 W (A-A9-S)/170 W (A-A6-S) • Dimensions (W x H x D): 420 x 113 x 369 mm (A-A9-S)/420 x 100 x 359 mm (A-A6-S) • Weight: 10.8 kg (A-A9-S)/10.0 kg (A-A6-S)

PD-D9-S/PD-D6-S

Super Audio CD Player
- AIR Studios sound tuning • 192 kHz/24-bit Twin Wolfson DAC (PD-D9-S)/Twin Burr-Brown DAC (PD-D6-S) • Legato Link PRO and Hi-Bit Technology • Pure Audio Listening mode • Frequency response - SACD: 4 Hz - 50 kHz (-3 dB), CD: 4 Hz - 20 kHz (-1 dB) • S/N ratio - SACD: 110 dB, CD (Music CD): 115 dB (PD-D9-S)/113 dB (PD-D6-S) • Dynamic Range: SACD: 110 dB (PD-D9-S)/108 dB (PD-D6-S), CD: 100 dB (PD-D9-S)/99 dB (PD-D6-S) • Power requirement: AC 220-240 V, 50/60 Hz • Power consumption: 22 W • Dimensions (W x H x D): 420 x 113 x 340 mm (PD-D9-S)/420 x 100 x 340 mm (PD-D6-S) • Weight: 10 kg (PD-D9-S)/4.5 kg (PD-D6-S)

Speaker Set

S-MS800T-LR (Tall Speakers)

- Bass-reflex, magnetically shielded • 18 cm cone woofer • 2.5 cm dome tweeter • Maximum power: 160 W • Frequency range: 60 Hz-20 kHz
- Dimensions (W x H x D): 302.7 x 970 x 264.1 mm • Weight: 12.5 kg
- Impedance: 8 ohms

S-MS800CR (Centre/Surround Speakers)

- Bass-reflex, magnetically shielded
- 8 cm cone • 2 cm piezo tweeter
- Maximum power: 160 W
- Frequency range: 100 Hz-20 kHz
- Dimensions (W x H x D): 350 x 130 x 140 mm (centre), 130 x 180 x 140 mm (surround)
- Weight: 1.9 kg (centre), 1.1 kg (surround)
- Impedance: 8 ohms

S-MS800CR

S-MS800T-LR

Pioneer Pure Malt Speakers

S-A4SPT-VP/S-A4SPT-PM

- Magnetically-shielded 2-way speaker system
- Environmentally-friendly enclosures made of recycled white oak whiskey barrels
- 10 cm cone woofer
- 2 cm dome tweeter
- 2.5 m OFC (oxygen-free copper) speaker cable included
- Maximum power: 100 W
- Frequency range: 50 Hz-40 kHz (S-A4SPT-VP), 60 Hz-40 kHz (S-A4SPT-PM)
- Dimensions (W x H x D): 154 x 246 x 213 mm
- Weight: 3.7 kg
- Impedance: 6 ohms

10 cm TAD Pulp Cone Woofer (S-A4SPT-VP)

High-Grade Speaker Terminals

S-A4SPT-PM

S-A4SPT-VP

Hi-Fi Components — for Your Audio Bliss

PD-F507 CD Player

PD-M427 CD Player

PD-217 CD Player

PD-117 CD Player

CT-W606DR Cassette Deck

CT-W404R Cassette Deck

CT-W208R Cassette Deck

CT-W106 Cassette Deck

A-307R Integrated Amplifier

A-209 Integrated Amplifier

F-208 Quartz-PLL Synthesizer Tuner

GR-555 7-Band Graphic Equalizer

* Ask your dealer about available models.

* Ask your dealer about available models.

DVD Home Theatre Systems — Let Your Emotions Flow

HTZ787DVD(-AP)*

MODEL HTZ787DVD consists of:
XV-DV787(AP)* DVD/CD Receiver
(420 x 62 x 331 mm / 2.9 kg)
S-DV787T Speaker System (Front, Surround 260 x 1097 x 260 mm / 3.8 kg, Centre 220 x 90 x 100 mm / 0.7 kg)
S-DV5SW Subwoofer (230 x 380 x 360mm / 5.4 kg)

HTZ585DVD-AP*

MODEL HTZ585DVD consists of:
XV-DV585AP* DVD/CD Receiver
(420 x 62 x 331 mm / 2.9 kg)
S-DV585 Speaker System (Front, Centre, Surround 96 x 96 x 96 mm / 0.5 kg, Subwoofer 230 x 380 x 360 mm / 5.4 kg)

HTZ-FS30DVD(-AP)*

MODEL HTZ-FS30DVD consists of:
XV-DV30FS(AP)* DVD/CD Receiver
(420 x 62 x 331 mm / 2.9 kg)
S-DV30FS Speaker System with adjustable speaker stand (Front 150 x (414-567) x 150 mm / 1.3 kg, Subwoofer 230 x 380 x 360 mm / 5.4 kg)

Common Features:
HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP)
• USB movie playback • CD->USB Recording • HDMI 1080p Output • Front Stage Surround Advance • Advanced MCACC Automatic Optimal Surround Set-up (except HTZ-FS30DVD(-AP)) • Down-Firing Subwoofer • Dual Centre Speakers (HTZ585DVD-AP) • KURO LINK • Bluetooth Adapter Terminal (HTZ787DVD-AP/HTZ585DVD-AP/HTZ-FS30DVD-AP) • Power Output RMS 100 W x 6 (HTZ787DVD(-AP)/HTZ585DVD-AP), 100 W x 3 (HTZ-FS30DVD(-AP)) • DVD/SVCD/VCD/CD player • USB Terminal • Progressive Scan (PAL/NTSC) • Built-in DTS/Dolby Digital/Dolby Pro Logic II (HTZ787DVD(-AP)/HTZ585DVD-AP) Decoders • Built-in DTS/Dolby Digital (HTZ-FS30DVD(-AP)) Decoders • DivX®/WMV/WMA/MPEG-4 AAC/MP3 Playback • PhotoViewer (JPEG Playback) • Advanced Sound Retriever • PHOTO + MUSIC MIX • PLAYLIST for easy song selection • GigaByte Music (DVD Data Disc Playback) • FM/AM 30 Preset Stations

*** Malaysia, Singapore, Thailand, and Hong Kong only.**
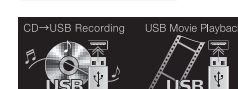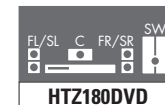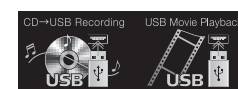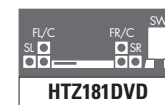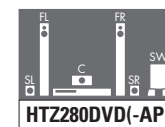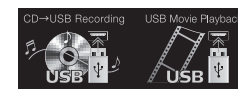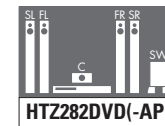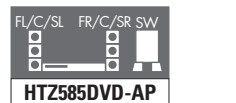
HTZ282DVD(-AP)*

MODEL HTZ282DVD consists of:
XV-DV282(AP)*
DVD/CD Receiver (420 x 62 x 331 mm / 2.8 kg)
S-DV282T
Speaker System
(Front, Surround 260 x 1097 x 260 mm / 3.8 kg, Centre 220 x 90 x 100 mm / 0.7 kg)
S-DV5SW Subwoofer (230 x 380 x 360 mm / 5.4 kg)

HTZ280DVD(-AP)*

MODEL HTZ280DVD consists of:
XV-DV282(AP)*
DVD/CD Receiver (420 x 62 x 331 mm / 2.8 kg)
S-DV280T
Speaker System (Front 260 x 1097 x 260 mm / 3.8 kg, Surround 100 x 100 x 100 mm / 0.5 kg, Centre 220 x 90 x 100 mm / 0.7 kg)
S-DV5SW Subwoofer (230 x 380 x 360 mm / 5.4 kg)

HTZ181DVD

MODEL HTZ181DVD consists of:
XV-DV181
DVD/CD Receiver (420 x 62 x 331 mm / 2.8 kg)
S-DV585
Speaker System
(Front, Centre, Surround 96 x 96 x 96 mm / 0.5 kg, Subwoofer 230 x 380 x 360 mm / 5.4 kg)

HTZ180DVD

MODEL HTZ180DVD consists of:
XV-DV180
DVD/CD Receiver (420 x 62 x 331 mm / 2.8 kg)
S-DV180
Speaker System (Front 105 x 115 x 114 mm / 0.6 kg, Centre 115 x 105 x 114 mm / 0.6 kg, Surround 105 x 118 x 114 mm / 0.6 kg, Subwoofer 190 x 360 x 317 mm / 3.8 kg)

Common Features:
HTZ282DVD(-AP)/HTZ280DVD(-AP)/HTZ181DVD/HTZ180DVD
• USB movie playback • CD->USB Recording • HDMI 1080p Output • USB Terminal • Front Surround/Extra Power mode • Down-Firing Subwoofer (except HTZ180DVD) • Dual Centre Speakers (HTZ181DVD) • KURO LINK (HTZ282DVD(-AP)/HTZ280DVD(-AP)) • Bluetooth Adapter Terminal (HTZ282DVD-AP/HTZ280DVD-AP) • Full Karaoke Functions • Power Output RMS 60 W x 6 • DVD/SVCD/VCD/CD player • MP3 Expander • Voice Enhancer • Progressive Scan (PAL/NTSC) • Built-in DTS/Dolby Digital/Dolby Pro Logic II Decoders • DivX®/WMV/WMA/MPEG-4 AAC/MP3 Playback • PhotoViewer (JPEG Playback) • PHOTO + MUSIC MIX • PLAYLIST for easy song selection • GigaByte Music (DVD Data Disc Playback) • FM/AM 30 Preset Stations

*** Malaysia, Singapore, Thailand, and Hong Kong only.**

FEATURE COMPARISON

	USB movie Playback	CD -> USB Recording	HDMI 1080p	Advanced MCACC	Front Stage Surround Advance	Advanced Sound Retriever	Bluetooth Adapter Terminal*	Dual Centre Speakers	Downfiring Subwoofer	Karaoke	Optical Input for STB/Game Console
HTZ787DVD(-AP)	•	•	•	•	•	•	•		•	•	•
HTZ585DVD-AP	•	•	•	•	•	•	•	•	•	•	•
HTZ-FS30DVD(-AP)	•	•	•		•	•	•			•	•
HTZ282DVD(-AP)	•	•	•				•		•	•	•
HTZ280DVD(-AP)	•	•	•				•		•	•	
HTZ181DVD	•	•	•					•	•	•	
HTZ180DVD	•	•	•							•	

* Malaysia, Singapore, Thailand, and Hong Kong only.

CX505-K/CX500-K/CX303-K

MODEL CX505-K consists of:
XV-CX505-K DVD/CD Receiver
(210 x 112 x 336 mm / 2.9 kg),
Power Unit (197 x 65 x 162 mm / 1.1 kg)
S-CX505-K Speaker System
(Front 130 x 221 x 172 mm / 1.7 kg,
Centre 200 x 108 x 101 mm / 0.75 kg,
Surround 130 x 100 x 110 mm / 0.68 kg,
Subwoofer 190 x 444 x 220 mm / 5.7 kg)

MODEL CX500-K consists of:
XV-CX500-K DVD/CD Receiver
(210 x 112 x 336 mm / 2.9 kg),
Power Unit (197 x 65 x 162 mm / 1.1 kg)
S-CX500-K Speaker System
(Front/Centre/Surround 100 x 100 x 103 mm / 0.55 kg,
Subwoofer 190 x 444 x 220 mm / 5.7 kg)

MODEL CX303-K consists of:
XV-CX303-K DVD/CD Receiver
(210 x 112 x 336 mm / 2.8 kg),
Power Unit (197 x 65 x 162 mm / 1.1 kg)
S-CX303-K Speaker System
(Front 130 x 221 x 172 mm / 1.7 kg,
Subwoofer 190 x 444 x 220 mm / 5.7 kg)

CX505-K

CX500-K

CX303-K

Silver finish also available

EV90DVD/EV70DVD/EV50DVD

MODEL EV90DVD consists of:
XV-EV90 DVD Cassette Deck Receiver
(170 x 352.5 x 340.1 mm / 7.2 kg)
S-EV90V Speaker System
(Front 200 x 352.5 x 244 mm / 3.8 kg,
Centre 361 x 108 x 96 mm / 0.9 kg,
Surround 200 x 352.5 x 244 mm / 3.5 kg,
Subwoofer 200 x 352.5 x 437 mm / 6.7 kg)

MODEL EV70DVD consists of:
XV-EV70 DVD Cassette Deck Receiver
(170 x 352.5 x 340.1 mm / 7.2 kg)
S-EV70V Speaker System
(Front 200 x 352.5 x 244 mm / 3.8 kg,
Centre 361 x 108 x 96 mm / 0.9 kg,
Surround 190 x 108 x 96 mm / 0.6 kg,
Subwoofer 200 x 352.5 x 437 mm / 6.7 kg)

MODEL EV50DVD consists of:
XV-EV50 DVD Cassette Deck Receiver
(170 x 352.5 x 340.1 mm / 7.2 kg)
S-EV50V Speaker System
(Front 200 x 352.5 x 244 mm / 3.8 kg)

EV90DVD

EV70DVD

EV50DVD

HTD88DVD

MODEL HTD88DVD consists of:
XV-DV88
DVD/CD Receiver (420 x 126 x 445 mm / 9.8 kg)
S-DV88
Speaker System (Front 155 x 360 x 178 mm / 2.3 kg,
Centre 340 x 106 x 100 mm / 1.4 kg,
Surround 155 x 106 x 100 mm / 0.7 kg,
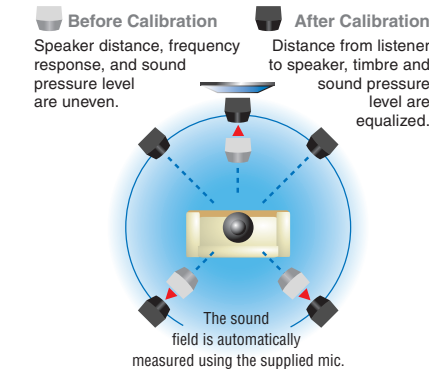Subwoofer 190 x 360 x 317 mm / 4.6 kg)

HTD88DVD

* Ask your dealer about available models.
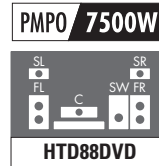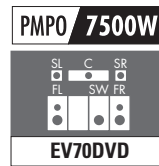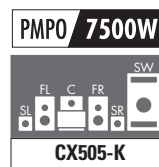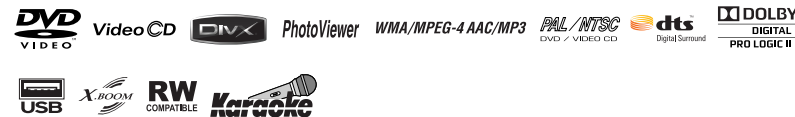
Feature Highlights of the New DVD Home Theatre Systems

Innovative Technologies for Creating Superior Sound

Advanced Multi-Channel Acoustic Calibration System (MCACC) (HTZ787DVD(-AP)/HTZ585DVD-AP)

Advanced MCACC creates the ideal acoustic environment with the provided microphone. With a push of a button, the self-calibration feature detects speakers and compensates for the disparities, letting you enjoy soundtracks and music as they were originally intended.

Automatic Optimal Surround Set-up with Advanced MCACC

Before Calibration
Speaker distance, frequency response, and sound pressure level are uneven.

After Calibration
Distance from listener to speaker, timbre and sound pressure level are equalized.

The sound field is automatically measured using the supplied mic.

Front Stage Surround Advance (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP))

Enjoy surround sound with only the front speakers and the subwoofer. Since wall reflections are not used, the setup is less dependent on the room environment, allowing front alignment of the speakers. The technology creates excellent sound image and natural sound, because it does not alter the sound frequency or the original sound wave.

Front Stage Surround Advance
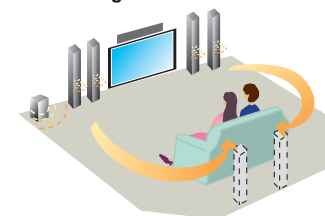
Unaffected by Room Environment with Pioneer's DSP Technology

Advanced Sound Retriever (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP))

Pioneer-exclusive Sound Retriever technology significantly improves WMA/MP3/MPEG-4 AAC compressed audio to CD quality. It applies a special algorithm to restore the signals in barely audible ranges usually lost during the compression process.
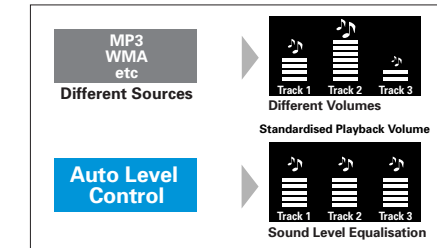
Restoration of Lost Music Cadence

High-frequency compensation

Frequency response of compressed audio file
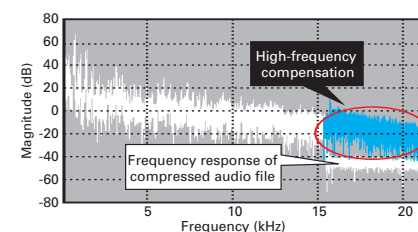
When Advanced Sound Retriever is "ON", the high frequency range is compensated to match the frequency response curve of the original sound.

Auto Level Control (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP))

Auto Level Control equalises volume level differences between tracks when playing MP3/WMA sources etc. The playback volume is maintained at a consistent level, so there is no need to make adjustments for each song.

MP3 WMA etc
Different Sources

Auto Level Control

Different Volumes

Track 1   Track 2   Track 3

Standardised Playback Volume

Track 1   Track 2   Track 3

Sound Level Equalisation

2.1ch Front Surround System (HTZ-FS30DVD(-AP))

The 2.1ch system with stylish slim speakers is designed to be a perfect match for your flat panel TV. Enjoy superb front surround sound for both movies and music, from a simple and neat setting without rear speakers. Despite the compact size, rich mid- and low-frequency sound is realised by adopting two 5.2 cm woofers. You can also enjoy natural and wide-spreading high-frequency sound from the 2.6 cm tweeters featuring tangential rib diaphragms.

2.6 cm Tweeters

Down-Firing Subwoofer (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP)/HTZ282DVD(-AP)/HTZ280DVD(-AP)/HTZ181DVD/CX505-K/CX500-K/CX303-K)

The Down-Firing subwoofer efficiently disperses sound with little distortion, filling your room with rich, deep bass. The innovative design combines quality performance with a stylish look. The CX505-K, CX500-K, and CX303-K come in Twin Drive design with two speaker-unit construction, allowing clear and powerful bass from a compact subwoofer.

Dual Centre Speakers (HTZ585DVD-AP/HTZ181DVD/CX500-K)

The centre speaker is separated into two pieces to be placed neatly on both sides of your flat panel display. You can hear movie dialogue coming straight from the middle of the screen, without placing the centre speaker on top or below the display.

Conventional Centre Speaker Layout
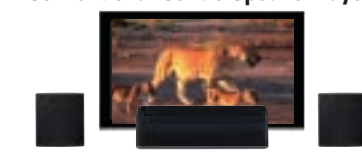
Neat Layout with Dual Centre Speakers

Advanced Functions

CD->USB Recording (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP)/HTZ282DVD(-AP)/HTZ280DVD(-AP)/HTZ181DVD/HTZ180DVD)

You can directly record CD songs onto USB devices without using your PC. The data is stored in MP3 format, letting you choose the bit rate from 128/192/320 kbps.

CD→USB Recording

USB Movie Playback (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP)/HTZ282DVD(-AP)/HTZ280DVD(-AP)/HTZ181DVD/HTZ180DVD)

The units allow playback of DivX® videos from USB memory sticks, in addition to CD-R/CD-RW/DVD-RW discs. DivX® video lets you enjoy highly compressed files in quality pictures.
* Plays DivX® video
** DivX® Certified to play DivX video

USB Movie Playback

HDMI and KURO LINK (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP)/HTZ282DVD(-AP)/HTZ280DVD(-AP))

HDMI available on all HTZ models ensures lossless transmission for high-quality pictures and sound, as signals remain in a pure digital state. HDMI can upscale 480p video signals up to 1080p output. With models featuring KURO LINK function, you can operate the whole system's basic functions such as power on/off and playback through the KURO's remote control.

Ready for Bluetooth® Wireless Technology (HTZ787DVD-AP/HTZ585DVD-AP/HTZ-FS30DVD-AP/HTZ282DVD-AP/HTZ280DVD-AP)

With the AS-BT100 optional Bluetooth adapter, you can wirelessly stream music from compatible devices, such as mobile phones, PCs, or iPod (optional transmitter required). The basic functions of the device can be operated using the system's remote control.
* Bluetooth® and associated logos are trademarks of Bluetooth SIG, Inc.

AS-BT100 Optional Bluetooth Adapter
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio Video Remote Control Profile)
- Paring code: 0000, 1234, 8888
- Registers up to 8 devices

Mobile Music Devices

Mobile Phone   Bluetooth Capable PC   iPod+ Optional BT Transmitter
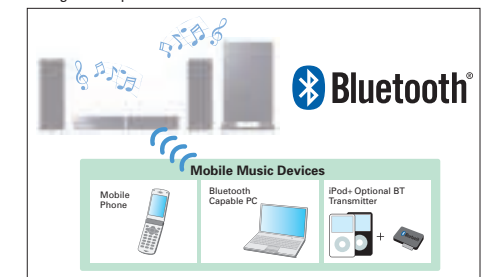
Optical Input (HTZ787DVD(-AP)/HTZ585DVD-AP/HTZ-FS30DVD(-AP))

With the optical input terminal, you can enjoy digital broadcasts and gaming in 5.1-channel sound on the HTZ787DVD(-AP)/HTZ585DVD-AP, or 2.1-channel front surround on the HTZ-FS30DVD(-AP).