

# SONY

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## Specifications Sheet

Specifications		NWZ-A845	NWZ-A846
Supported file format			
Music (Including podcasts*1)	Audio Formats(Codec)	MP3	Media File format: MP3(MPEG-1 Layer3) file format File extension: .mp3 Bit rate: 32 to 320kbps (Supports variable bit rate (VBR)) Sampling frequency *2: 32, 44.1, 48kHz
		WMA	Media File format: ASF file format File extension: .wma Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)) Sampling frequency *2 : 44.1kHz * Compatible with WM-DRM 10
		AAC-LC*3	Media File format: MP4 file format File extension: .mp4, .m4a, .3gp Bit rate: 16 to 320kbps (Supports variable bit rate (VBR))*4 Sampling frequency *2: 8,11.025, 12, 16, 22.05, 24, 32, 44.1, 48kHz
		Linear PCM	Media File format: Wave-Riff file format File extension: .wav Bitrate: 1,411kbps Sampling frequency *2: 44.1kHz
Video (Including podcasts*1)	Video Formats(Codec)		Frame rate : Max 30 fps Resolution : Max 720 x 480 *5
		AVC(H.264/AVC)	Media File format: MP4 file format, "Memory Stick" video format File extension: .mp4, .m4v Profile : Baseline Profile Level : 1.2, 1.3, 2, 2.1, 2.2, 3 Bitrate : Max 10 Mbps
		MPEG-4	Media File format: MP4 file format, "Memory Stick" video format File extension: .mp4, .m4v Profile : Simple Profile Bitrate : Max 6 Mbps
		Windows Media Video 9 *6	Media File format: ASF file format File extension: .wmv Profile: VC1 simple profile, main profile Bitrate : Max 6 Mbps
	Audio Formats(Codec)	AAC-LC (for AVC, MPEG-4)	Channel number : Max 2 channels Sampling frequency *2 : 24, 32, 44.1, 48 kHz Bit rate : Max 288kbps / channel
		WMA (for Windows Media Video 9)	Bit rate: 32 to 192kbps (Supports variable bit rate (VBR)) Sampling frequency *2 : 44.1kHz * Compatible with WM-DRM 10

	File size		Max. 2GB			
	The number of files		Max. 2,000			
Photo*7	Photo Format(Codec)	JPEG	Media File format: Compatible with DCF 2.0/Exif 2.21file format File extension: .jpg Profile : Baseline Profile Number of pixels:Max. 4,096 x 4,096 pixels(16,000,000 pixels)			
	The number of files		Max. 20,000			
Notes (Supported file format)	<p>*1 The maximum recordable number of podcasts is 10,000.          *2 Sampling frequency may not correspond to all encoders.          *3 Copyright protected AAC-LC files cannot be played back.          *4 Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.          *5 These numbers indicate the maximum resolution of playable video, and do not indicate the player's display resolution. The display resolution is 400 x 240 .          *6 Some WMV files can be played back only by transferring using Windows Media Player 11.          *7 Some photo files cannot be played back, depending on their file formats.</p>					
Maximum recordable number of songs and time (Approx.)	NWZ-A845	number	time[H:M]	NWZ-A846	number	time[H:M]
	48kbps	10,000	666:40	48kbps	20,000	1333:20
	64kbps	7,450	496:40	64kbps	15,000	1000:00
	128kbps	3,700	246:40	128kbps	7,500	500:00
	256kbps	1,850	123:20	256kbps	3,750	250:00
	320kbps	1,500	100:00	320kbps	3,000	200:00
Maximum recordable time of videos (Approx.)	Video Format: 384kbps Music Format: 128kbps		59:40	Video Format: 384kbps Music Format: 128kbps		120:20
	Video Format: 768kbps Music Format: 128kbps		34:00	Video Format: 768kbps Music Format: 128kbps		68:40
Maximum recordable number of photos that can be transferred (Approx.)	Max. 20,000 Recordable number of photos may be less depending on file sizes.					
Capacity (User available capacity)*1	16GB		32GB			
	Approx. 14.1GB = 15,224,668,160bytes		Approx. 28.5GB = 30,699,978,752bytes			
Notes (capacity)	*1 Available storage capacity of the player may vary. A portion of the memory is used for data management functions.					
Digital amplifier	"S-Master" digital amplifier					
Output (headphones)	Frequency response 20 to 20,000 Hz(when playing data file, single signal measurement)					

Noise Canceling function	Digital Noise Canceling function Environment setting : Bus/Train / Airplane / Office Noise Canceling Modes : Normal Mode / Quiet Mode / External Input Mode	
Total Noise Suppression Ratio*1	*1 Total noise suppression ratio at approximately 17 dB using Sony's internal measurement standard. *2 Equivalent to approx. 98.0% reduction of energy of sound compared with not wearing headphones. (NC Environment: Airplane)	
FM radio	FM Frequency range 87.5 to 108.0 MHz	
IF(FM)	128kHz	
Antenna	Headphone cord antenna	
Interface	Headphone:Stereo mini-jack WM-POR(T(multiple connecting terminal):22 pins Hi-Speed USB(USB 2.0 compliant)	
Operating temperature	5 'C to 35 'C (41 'F to 95 'F)	
Power Source	Built-in Rechargeable lithium-ion Battery USB power (from a computer via the supplied USB cable)	
Charging Time	USB-based charging Approx. 3 hours(full charge), Approx. 1.5 hours(approx. 80%)	
Battery life(continuous playback)	Music	NWZ-A845/A846
	MP3 128kbps	approx. 29Hrs
	WMA 128kbps	approx. 29Hrs
	AAC-LC 128kbps	approx. 29Hrs
	Linear PCM 1411kbps	approx. 31Hrs
	Video	NWZ-A845/A846
	MPEG-4 384kbps	approx. 9Hrs
	AVC Baseline 384kbps	approx. 8Hrs
	WMV 384kbps	approx. 8Hrs
	FM	NWZ-A845/A846
	approx. 14Hrs	
Display	7.1cm (2.8-inch), OLED (Organic Light Emitting Diode) color display, WQVGA(400 × 240 pixels), 262,144 colors	
Dimensions(w/h/d, projecting parts not included)	46.8 × 104.9 × 7.2 mm (1 7/8 × 4 1/4 × 5/16 inches)	
Dimension(w/h/d)	47.4 × 104.9 × 7.7 mm (1 7/8 × 4 1/4 × 5/16 inches)	
Mass	Approx. 62g (Approx. 2.2 oz)	

Supplied items	<ul style="list-style-type: none"> <li>✿ Headphones (1)</li> <li>✿ USB cable (1)</li> <li>✿ Earbuds (Size S, L) (1)</li> <li>✿ Attachment (1) Use when connecting the player to the optional cradle, etc.</li> <li>✿ Audio input cable (1)</li> <li>✿ Plug adaptor for in-flight use (single/dual) (1)</li> <li>✿ Quick Start Guide (1)</li> <li>✿ Software (1) The software is stored in the built-in flash memory of the player, and includes the following items. For details on how to install, refer to “Quick Start Guide”. <ul style="list-style-type: none"> <li>✿ Content Transfer</li> <li>✿ WALKMAN Guide</li> <li>Operation Guide, etc.</li> </ul> </li> </ul>
System Requirements	<ul style="list-style-type: none"> <li>- Computer: IBM PC/AT or compatible computer preinstalled with the following Windows operating systems*1: <ul style="list-style-type: none"> <li>- Windows XP Home Edition (Service Pack 2 or later)</li> <li>- Windows XP Professional (Service Pack 2 or later)</li> <li>- Windows Vista Home Basic (Service Pack 1 or later)</li> <li>- Windows Vista Home Premium (Service Pack 1 or later)</li> <li>- Windows Vista Business (Service Pack 1 or later)</li> <li>- Windows Vista Ultimate (Service Pack 1 or later)</li> <li>- Windows 7 Home Basic</li> <li>- Windows 7 Home Premium</li> <li>- Windows 7 Professional</li> <li>- Windows 7 Ultimate</li> </ul> </li> <li>Supported 64 bit version OS for Windows Vista and Windows 7 Not supported by OSs other than above *1 Excluding OS Versions not supported by Microsoft.</li> <li>- CPU: Pentium® III 450MHz or higher for WindowsR XP, Pentium®III 800MHz or higher for Windows Vista®, Pentium®III 1GHz or higher for WindowsR 7</li> <li>- RAM: 256MB or more for Windows® XP, 512MB or more for Windows Vista®, 1GB or more for Windows® 7 32-bit version, 2GB or more for Windows® 7 64-bit version</li> <li>- Hard Disk Drive: 400MB or more of available space</li> <li>- Display: <ul style="list-style-type: none"> <li>- Screen Resolution:800 x 600 pixels (or higher)(recommended 1,024 x 768 or higher)</li> <li>- Colors:8 bit or higher (16 bit recommended)</li> </ul> </li> <li>- CD-ROM drive(supporting Digital Music CD playback capabilities using WDM)</li> <li>- Sound board</li> <li>- USB connector ( Hi-Speed USB is recommended)</li> <li>- Internet Explorer 7 or later and Windows Media Player 11 or later are required.</li> <li>- Broadband Internet connection is required to use Electronic Music Distribution (EMD) or to visit the web site.</li> </ul> <p>We do not guarantee operation for all computers even if they meet the above System Requirements. Not supported by the following environments:</p> <ul style="list-style-type: none"> <li>-Personally constructed computers or operating systems</li> <li>-An environment that is an upgrade of the original manufacturer-installed operating system</li> <li>-Multi-boot environment</li> <li>-Multi-monitor environment</li> <li>-Macintosh</li> </ul> <p>Design and specifications are subject to change without notice.</p>

