

MP3/WMA/AAC features

FILE SYSTEM	EXTENSION	DXZ778RUSB, DXZ578RUSB, DXZ778RUSB, DXZ578RUSB			DXZ378RMP		DB178RMP		DB568RUSB, DUB278RMP		FB 278RBT	MAX973HD		VRX878RVD, MAX678RVD	VRX578RUSB, VRX378RUSB					
		CD			USB		CD		CD		SD	CD/DVD		SD	CD/DVD		CD/DVD		USB	
		WMA	MP3	AAC	WMA	MP3	WMA	MP3	WMA	MP3	MP3	WMA	MP3	WMA	MP3	WMA	MP3	WMA	MP3	AAC
ISO9660	LEVEL1	●																		
	LEVEL2	●																		
	LEVEL3	x																		
ISO9660	PLAY	●																		
EXTENSION	FILE NAME	64 bytes																		
	FILE NAME	64 bytes																		
OTHERS	FILE NAME	64 bytes																		
	APPLE ISO	●																		
FAT	FAT12	-																		
	FAT16	-																		
	FAT32	-																		
FILE DESCRIPTOR	.mp3/.Mp3	●																		
	.Mp3/.Mp3	●																		
	.wma	●																		
	.WMA	●																		
	.rmp																			
	.AAC/ignore case																			
	.m4a																			
MPEG FORMAT	MPEG1	●																		
	MPEG2	●																		
	MPEG2.5	●																		
SAMPLING FREQUENCY	MPEG1	48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		32, 44.1, 48		32, 44.1, 48		32, 44.1, 48		48, 44.1, 32		48, 44.1, 32		48, 44.1, 32		48, 44.1, 32
	MPEG2	48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		16, 22.05, 24		16, 22.05, 24		16, 22.05, 24		16, 22.05, 24		48, 44.1, 32		48, 44.1, 32		16, 22.05, 24		16, 22.05, 24
	MPEG2.5	48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		48,44.1, 32.24, 22.05, 16.12, 11.025, 8 (kHz)		8, 11.025		8, 12		8, 12		11.025, 44.1		48, 44.1, 32, 22.05, 16.12, 11.025, 8 (kHz)		48, 44.1, 32, 22.05, 16.12, 11.025, 8 (kHz)		8, 12		8, 12
	WMA	Fs= 22.05-44.1 kHz		Fs= 22.05-44.1 kHz		Fs= 22.05-44.1 kHz		32, 44, 48.1 kHz		8-44.1 kHz		8-44.1 kHz		48, 44.1, 32		48, 44.1, 32		22.05-44.1 kHz		8-44.1 kHz
	AAC																			7.3K-64K
BITRATE	MPEG1	8-320kbps		8-320kbps		8-320kbps		32-320		32-320		32-320		8-320		8-320		32-320		32-320
	MPEG2	8-320kbps		8-320kbps		8-160		8-160		8-160		8-160		64-912		64-912		8-160		8-160
	MPEG2.5	8-320kbps		8-320kbps		8-160		8-160		8-160		8-160		8-3520		8-3520		8-160		8-160
	WMA	48, 64, 80, 96, 128, 160, 192 kbps		8kbps-320 kbps		48, 64, 80, 96, 128, 160, 192 kbps		32-192 kbps		48, 64, 80, 96, 128, 160, 192 kbps		48, 64, 80, 96, 128, 160, 192 kbps		22.05-192		22.05-192		32-192 kbps		32-192 kbps
	AAC			8 kbps-320 kbps (iTunes ver5)																8 kbps-320 kbps (iTunes ver5)
OTHERS	DIRECTORY DEPTH	8-320kbps		MAX. 8		MAX. 8		MAX. 8		MAX. 8		MAX. 8		MAX. 8		MAX. 8		MAX. 8		MAX. 8
	FILE NAME LENGTH	64 bytes		64 bytes		128 bytes		64 bytes		28 bytes		28 bytes		30 chars		64 bytes		30 bytes		28 bytes
	TOTAL FILE NUMBER	512		65,025		512		254		255		255		255		512		512		15,000
	TOTAL FOLDER NUMBER	255		255		255		128		255		255		255		255		255		255
	FILE NUMBER via FOLDER	255		255		255		254		255		255		512		99		512		3,000
	ID3 TAG	ver.1.x		●		●		●		●		●		●		●		●		●
		ver.2.x		●		●		●		●		●		●		●		●		●
		TITLE		●		●		●		●		●		●		●		●		●
		ARTIST		●		●		●		●		●		●		●		●		●
		ALBUM		●		●		●		●		●		●		●		●		●
	WMA TAG	TITLE		●		●		●		●		●		●		●		●		●
		ARTIST		●		●		●		●		●		●		●		●		●
		ALBUM		●		●		●		●		●		●		●		●		●
	AAC TAG	TITLE		●		●		●		●		●		●		●		●		●
		ARTIST		●		●		●		●		●		●		●		●		●
		ALBUM		●		●		●		●		●		●		●		●		●
	Support for VBR highest quality (240-355 kbps)	●		●		●		●		●		●		●		●		●		●

* When a USB memory device is composed of two or more drives, only one of the drives will be detected.

* USB memory devices with security functions cannot be played.

* Do not connect your iPod directly to the USB slot on Clarion products. A special adapter (sold separately) is required for the iPod connection. Please refer to the "iPod connecting list" below. For more details concerning USB slot connections, please refer to our website at www.clarion.com.

* Playback is not possible with some USB devices depending on their type and configuration.

iPod connecting list

		iPod Video (2006~)	iPod nano Full-Remix (audio only)	iPod Video (2005)	iPod nano	iPod Photo	iPod (click wheel)	iPod mini
CCA692	MAX973HD	Y	Y	Y	Y	Y (audio only)	Y	Y
CCA673	MAX678RVD/VRX878RVD	Y	Y	Y	Y	Y (audio only)	Y	Y
CCA691	VRX578RUSB/VRX378RUSB	Y	Y	Y	Y	Y (audio only)	Y	Y
CCA670	MAX678RVD/VRX878RVD	Y (audio only)	Y	Y (audio only)	Y	Y (audio only)	Y	Y
EA1276	07 CeNET audio	Y (audio only)	Y	Y (audio only)	Y	Y (audio only)	Y	Y
EA1251*	06 or older CeNET audio	Y (audio only)	Y	Y (audio only)	Y	Y (audio only)	Y	Y
BC001N	BLT373/FB278RBT				Y			
BC002M	BLT373/FB278RBT							Y
BC003V	BLT373/FB278RBT				Y			

* control via CD changer mode

Multimedia stations - Specifications

	MAX973HD	MAX678RVD	VRX878RVD	VRX578RUSB	VRX378RUSB
MONITOR SECTION					
Screen Size (W x H), mm	154.0 x 87.0 (7 inch)	154.0 x 87.0 (7 inch)	154.0 x 87.0 (7 inch)	154 x 87 (7 inch)	77 x 43 (3.5 inch)
Aspect Ratio	-	-	-	16:9	16:9
Display Type	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display	Transparent-type TN liquid crystal display
Drive Principle	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display	TFT (Thin Transistor) active matrix display
Number of Pixels	336,960	336,960	336,960	336,960	336,960
RCA Video Input	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)	1.0±0.2 Vp-p (input impedance 75 Ω)
RCA Audio Input	130±60 mVrms (input impedance 10kΩ or more)	130±60 mVrms (input impedance 10 kΩ or more)	130±60 mVrms (input impedance 10 kΩ or more)	2.0 V, 1.3 V, 0.65 V	2.0 V, 1.3 V, 0.65 V
TUNER SECTION					
Frequency Bands					
FM: (MHz) 0.05 MHz steps	87.5 to 108	87.0 to 108	87.0 to 108	87.5 to 108	87.5 to 108
MW: (kHz) 9 kHz steps	531 to 1,602	531 to 1,629	531 to 1,629	531 to 1,602	531 to 1,602
LW: (kHz) 3 kHz steps	153 to 279	153 to 279	153 to 279	153 to 279	153 to 279
FM Usable Sensitivity (dBf)	9	9	9	9	9
FM 50 dB Quieting Sensitivity (dBf)	15	15	15	-	-
FM Alternate Channel Selectivity (dB)	70	70	70	-	-
FM Stereo Separation @ 1kHz (dB)	32	32	35	30	30
FM Stereo Freq. Resp. @ ±3 dB (Hz)	30 to 15,000	30 to 15,000	30 to 15,000	30 to 15,000	30 to 15,000
DVD SECTION					
Useable Discs	DVD video / DVD±R/RW	DVD video / DVD±R/RW	DVD video / DVD±R/RW	DVD video / DVD±R/RW	DVD video / DVD±R/RW
Frequency Response (Hz)	20 to 20,000 (48 kHz) (+1 dB, -2 dB) @ speaker	20 to 20,000 (48 kHz) (+1 dB, -1 dB)	20 to 20,000 (48 kHz) (+1 dB, -1 dB)	20 to 20,000 (+1 dB, -3 dB)	20 to 20,000 (+1 dB, -3 dB)
Video Frequency Response	-	-	-	0 to 4 MHz(-1 dB, -3 dB)	0 to 4 MHz(-1 dB, -3 dB)
Video output level	-	-	-	1.0 Vp-p (75 Ω)	1.0 Vp-p (75 Ω)
Region code	2	2	2	2	2
Distortion (%)	0.05 @ speaker	0.006	0.01	-	-
CD SECTION					
Wow/Flutter (WRMS)	Below measurable limit	Below measurable limit	Below measurable limit	-	-
S/N Ratio (dB) 1 kHz	80 @ speaker	100	100	-	-
Frequency Response (Hz)	20 to 20,000 (+1 dB, -2 dB) @ speaker	20 to 20,000 (+1 dB, -1 dB)	20 to 20,000 (+1 dB, -1 dB)	20 to 20,000 (+1 dB, -3 dB)	20 to 20,000 (+1 dB, -3 dB)
Dynamic Range (dB) 1 kHz	80 @ speaker	100	100	-	-
Harmonic Distortion (%)	0.05 @ speaker	0.006	0.01	-	-
AUDIO SECTION					
Power Output (DIN45324, +B = 14.4 V)	4 x 31 W	4 x 27 W	4 x 27 W	4 x 25 W	4 x 25 W
GENERAL					
Dimensions (W x H x D), mm	178 x 100 x 162	178 x 100 x 165	178 x 50 x 165	178 x 50 x 160	178 x 50 x 160
Weight (kg)	3.0	2.4	2.4	2.4	2.1
Power Consumption	4.3 A (at 1 W)	4.0 A (at 1 W)	4.0 A (at 1 W)	4.0 A (at 1 W)	4.0 A (at 1 W)
Power Requirement	14.4V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)	14.4 V DC (10.8 ~ 15.6 V)
Speaker Impedance	4 Ω (4 Ω to 8 Ω allowable)	4 Ω (4 Ω to 8 Ω allowable)	4 Ω (4 Ω to 8 Ω allowable)	4 Ω (4 Ω to 8 Ω allowable)	4 Ω (4 Ω to 8 Ω allowable)

Main units - Specifications

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