

SPECIFICATIONS

MONITOR SECTION

Screen Size	9.0" (i109ED/i109AD) 8.0" (i108ED/i108AD)
LCD Type	Transparent type TN LCD
Operation System	TFT active matrix
Number of Picture Elements	1,152,000 pcs. (800 × 480 × 3 (RGB))
Effective Number of Picture Elements	99% or more
Illumination System	LED

FM TUNER SECTION

Tuning Range	87.5 – 108.0 MHz
Mono Usable Sensitivity	9.3 dBf (0.8 μ V/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

AW TUNER SECTION

Tuning Range	531 – 1,602 kHz
Sensitivity (IEC Standard)	22.5 μ V/27.0 dBf

USB SECTION

USB requirements	USB 1.1/2.0
Max. Power Consumption	1,000 mA
USB Class	USB (Play From Device)/ USB (Mass Storage Class)
File System	FAT16/32
MP3 Decoding	MPEG-1/2 AUDIO Layer-3
WMA Decoding	Windows Media™ Audio
AAC Decoding	AAC-LC format “.m4a” file
Number of Channels	2-Channel (Stereo)
Frequency Response*	5 – 20,000 Hz (\pm 1 dB)
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB
Signal-to-Noise Ratio	100 dB
Channel Separation	85 dB (at 1 kHz)
* Frequency response may differ depending on the encoder software/bit rate.	

CD/DVD SECTION

Frequency Response	5 – 20,000 Hz (\pm 1 dB)
Wow & Flutter (% WRMS)	Below measurable limits
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Channel Separation	85 dB (at 1 kHz)
Horizontal resolution	500 lines or greater
Video output level	1Vp-p (75 ohms)
Video S/N ratio	DVD: 60 dB
Audio S/N ratio	100 dB

PICKUP

Wave length	DVD: 666 nm CD: 785 nm
Laser power	CLASS II

BLUETOOTH SECTION

BLUETOOTH Specification	Bluetooth V2.1+EDR
Output Power	+4 dBm Max. (Power class 2)
Profile	HFP (Hands-Free Profile) OPP (Object Push Profile) PBAP (Phone Book Access Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile)

GENERAL

Power Requirement	14.4 V DC (11–16 V allowable)
Operating temperature	-4°F to +140°F (-20°C to + 60°C)
Maximum Power Output	50 W × 4
Weight	2.83 kg (i109ED/i109AD) 2.70 kg (i108ED/i108AD)
Audio output level	
Preout (Front, Rear):	2V/10k ohms (max.)
Preout (Subwoofer):	2V/10k ohms (max.)
AUX OUT:	1.2V/10k ohms (max.)

CHASSIS SIZE

Width	178 mm
Height	100 mm
Depth	153 mm (i109ED/i109AD) 164 mm (i108ED/i108AD)

NOSE SIZE

Width	214 mm (i109ED/i109AD) 190 mm (i108ED/i108AD)
Height	132 mm (i109ED/i109AD) 121 mm (i108ED/i108AD)
Depth	23 mm (i109ED/i109AD) 22 mm (i108ED/i108AD)

NOTE:

For product improvement, specifications and design are subject to change without notice.