

Specifications

Monitor Section	Picture size	6.75 inches(diagonal) wide	
	W x H	152.1 mm x 79.5 mm	
	Display system	AAS LCD panel	
	Drive system	TFT active matrix system	
	Number of pixels	2,764,800	
		1280H x 720V x RGB	
	Effective pixels	99.99%	
	Pixel arrangement	RGB striped arrangement	
Backlighting	LED		
DVD Section	D/A Converter	24 / 32Bit	
	Audio Decoder	Linear PCM	
		Dolby Audio	
		MP3 / WMA / AAC / WAV / FLAC / Vorbis	
	Video Decoder	MPEG1/2,MPEG4 / WMV / H.264 / MKV	
	Wow & Flutter	Below Measurable Limit	
	Frequency response	96k Sampling	20 - 44,000 Hz
		48k Sampling	20 - 22,000 Hz
		44.1k Sampling	20 - 20,000 Hz
	Total harmonic distortion 1kHz	0.010%	
	Signal to Noise ratio	90.5dB (DVD-Video 96k)	
Dynamic range	89dB (DVD-Video 96k)		
DISC Format	DVD-Video / VIDEO-CD / CD-DA		
Quantifying bit number	16 / 20 / 24bit		
USB I/F	USB Standard	USB2.0 High Speed	
	File System	FAT 16/32, exFAT, NTFS	
	Maximum Power Supply Current	DC5V= 1.5A	
	D/A Converter	24/32Bit	
	Audio Decoder	MP3 / WMA / AAC / WAV / FLAC / Vorbis	
	Video Decoder	MPEG1/2,MPEG4 / WMV / H.264 / MKV	
Wireless Mirroring	Mode	Sink	
	Copyright protection	HDCP2.2	

	Touch Control	UIBC	
Wi-Fi	IEEE Standard	802.11 a/b/g/n/ac	
	Frequency Range	Dual Band (2.4GHz / 5GHz)	
	Channels	Auto(1-11ch) Auto(149,153,157,161ch)	
	Transfer rates (MAX)	11a: 54 Mbps / 11b: 11 Mbps / 11g: 54 Mbps / 11n: 300 Mbps / 11ac: 867 Mbps	
	Output Power	2.4GHz/SISO	11b:14dBm±2dB / 11g:13dBm±2dB / 11n(20MHz):12dBm±2dB
		5GHz/SISO	11a:9dBm±2dB / 11n(20MHz):9dBm±2dB / 11n(40MHz):8dBm±2dB / 11ac(20MHz):9dBm±2dB / 11ac(40MHz):8dBm±2dB / 11ac(80MHz):8dBm±2dB
5GHz/MIMO		11n(20MHz):11dBm±2dB / 11n(40MHz):11dBm±2dB / 11ac(20MHz):11dBm±2dB / 11ac(40MHz):11dBm±2dB / 11ac(80MHz):11dBm±2dB	
Bluetooth Section	Technology	Bluetooth Ver5.0	
	Frequency	2.402 – 2.480 GHz	
	RF Output Power (E.I.R.P.)	+4dBm (MAX), Power Class 2	
	Maximum Communication range	Line of sight approx.10m(32.8ft)	
	Audio Codec	SBC / AAC	
	Multi Profile Support	Multi Profile	
Profile		HFP (V1.7) (Hands-Free Profile) SPP (Serial Port Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (V1.6) (Audio/Video Remote Control Profile) PBAP (Phonebook Access Profile)	
	Connector Type	Type A	
		Input Resolution	VGA (640x480p @59.94Hz/60Hz) 480p (720x480p @59.94Hz/60Hz) 720p(1280x720p 59.94Hz/60Hz)
			Input Audio Type
		BAND	13Band

DSP Section	Graphics equalizer	frequency (Hz) (BAND1-13)	62.5/100/160/250/400/630/1k/1.6k/2.5k/4k/6.3k/10k/16k
		Gain	-9/-8/-7/-6/-5/-4/-3/-2/-1/0/1/2/3/4/5/6/7/8/9[dB]
	2Way X'Over	HIGH PASS FILTER frequency	Through/30/40/50/60/70/80/90/100/120/150/180/220/250[Hz]
		SLOPE	-6/-12/-18/-24[dB/Oct.]
		LOW PASS FILTER frequency	30/40/50/60/70/80/90/100/120/150/180/220/250/Through[Hz]
		SLOPE	-6/-12/-18/-24[dB/Oct.]
	3Way X'Over	HIGH PASS FILTER frequency	250/300/1k/1.6k/2.5k/4k/5k/6.3k/8k/10k/12.5k
		SLOPE	-12/-18/-24[dB/Oct.]
		Band PASS FILTER frequency	Through/50/60/70/80/90/100/120/150/180/220/250/300[Hz]
		SLOPE	-12/-18/-24[dB/Oct.]
		LOW PASS FILTER frequency	30/40/50/60/70/80/90/100/120/150/Through[Hz]
		SLOPE	-12/-18/-24[dB/Oct.]
	Position	Front / Rear /Subwoofer Delay	0 - 6.1m (0.01m Step)
		Gain	-8 to 0dB
		Subwoofer Level	-50 to +10dB
FM	Frequency Range	87.5MHz - 108.0MHz	
	(Frequency step)	(50kHz)	
	Usable sensitivity	9.3dBf	
	S/N30dB	0.8μV/75Ω	
	Quieting sensitivity	15.2dBf	
	DIN S/N 46dB	1.6μV / 75Ohms	
	Frequency response (±3.0dB)	30Hz - 15kHz	
	S/N (dB)	65dB (MONO)	
	Selectivity	Over 80dB (±400kHz)	
	Stereo separation	45dB (1kHz)	
	AM	Frequency Range	531kHz - 1701kHz

	(Frequency step)	(9kHz)
	Usable sensitivity	28dB μ
DAB	Frequency Range	BAND III: 174.928MHz - 239.200MHz
	Sensitivity	-100dBm
	S/N	90dB
DAB	Connector type	SMB
Antenna	Output Voltage	12V DC
Connector	Maximum Current	<100mA
Video	The colour system of external video input	NTSC/PAL
	External video input level (Mini jacks)	1 Vp-p / 75 Ohms
	External audio max input level (Mini jacks)	2 V / 25 kOhms
	Video Input level (RCA jacks)	1 Vp-p / 75 Ohms
	Video Output Level (RCA jacks)	1 Vp-p / 75 Ohms
	Audio Output level (Mini jacks)	0.9 V / 10 kOhms
Audio	Maximum Power Output (Front&Rear)	50Wx4
	Typical Power Output (Front&Rear)	Full Bandwidth Power (at less than 1%THD) 22Wx4
	Output frequency band	20 - 88,000Hz
	Preout level (V)	5V / 10kOhms
	Preout impedance (Ω)	= < 300 Ohms
	Speaker Impedance (Ω)	4-8 Ohms
Navigation Section	Receiver	High-sensitivity GNSS receiver
	Receiving frequency	GPS : 1575.42MHz GLONASS : 1598. 0625~1605.375 (C/A code)
	Acquisition Times	Cold: 26 seconds(typ) All satellites at -130dBm Without aiding
	Update Rate	1/second, continuous
	Accuracy	Position: < 2.0meters,CEP, at -130dBm
	Accuracy	Velocity: 0.05meter/sec

	Positioning Method	GPS/GLONASS
	Antenna	External GNSS Antenna
General	Operating voltage	12V DC Car Battery
	Maximum Current consumption	15A
	Installation Dimensions WxHxD	178mm x 100mm x 160mm
	Operational temperature range	-10°C to +60°C
	Weight	Main unit