

Car AVN User Manual

**Model Name :
CCIC US
NDHKANBN0A2**

1. Overview and Specifications

(1) Overview

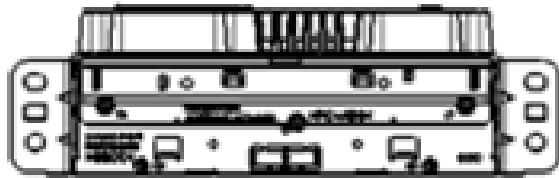
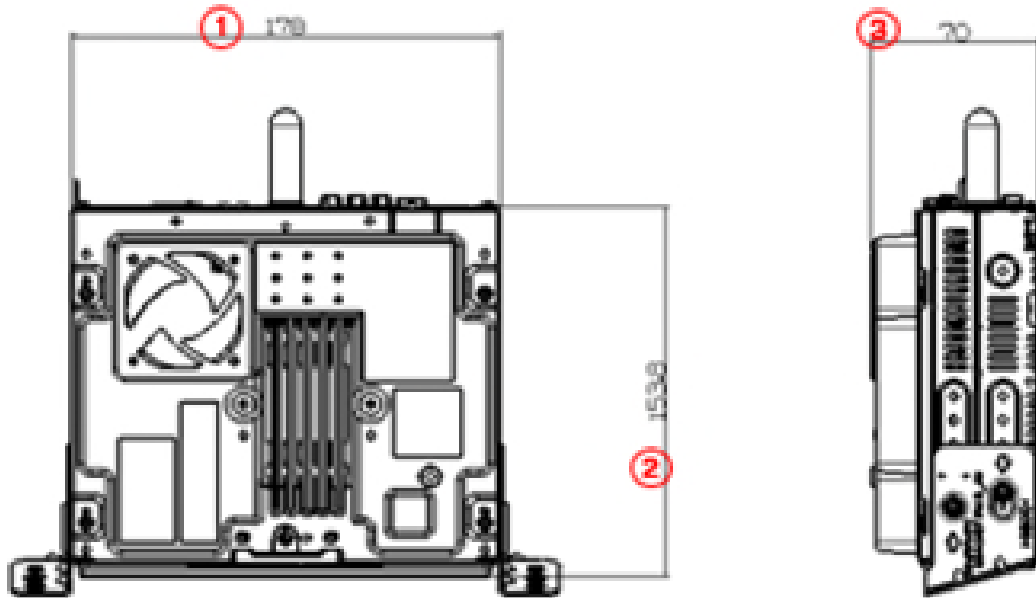
- 1) The Infotainment system provides infotainment in a car, using the latest technology. See your dealer to have the system or software updated and upgraded.
- 2) The radio can be easily used by registering up to 25 FM or AM with the PRESET button[1 to 5] per every 5 pages.
- 3) The Infotainment system can play the USB storage device or iPod/iPhone products.
- 4) The Bluetooth phone connection function allows for the use of wireless hands-free Phone calls, as well as a phone music player.
In addition, the WiFi function is provided.
- 5) Connect a portable music player to the auxiliary sound input to enjoy the rich sound of the Infotainment system.

(2) Specifications

*Product

Item	Categories	Specifications
Specification	Product Name	CAR NAVIGATION SYSTEM
	Model	NSHKCNNG1AQ NSHKCNNG1AF
	Dimensions	Refer to image
	Weight	1.67kg \pm 2.7% (JW)
	Power source	DC 12V
	Operational temperature range	-30 °C ~ 85 °C
	Device Type	OEM Device installed in vehicles

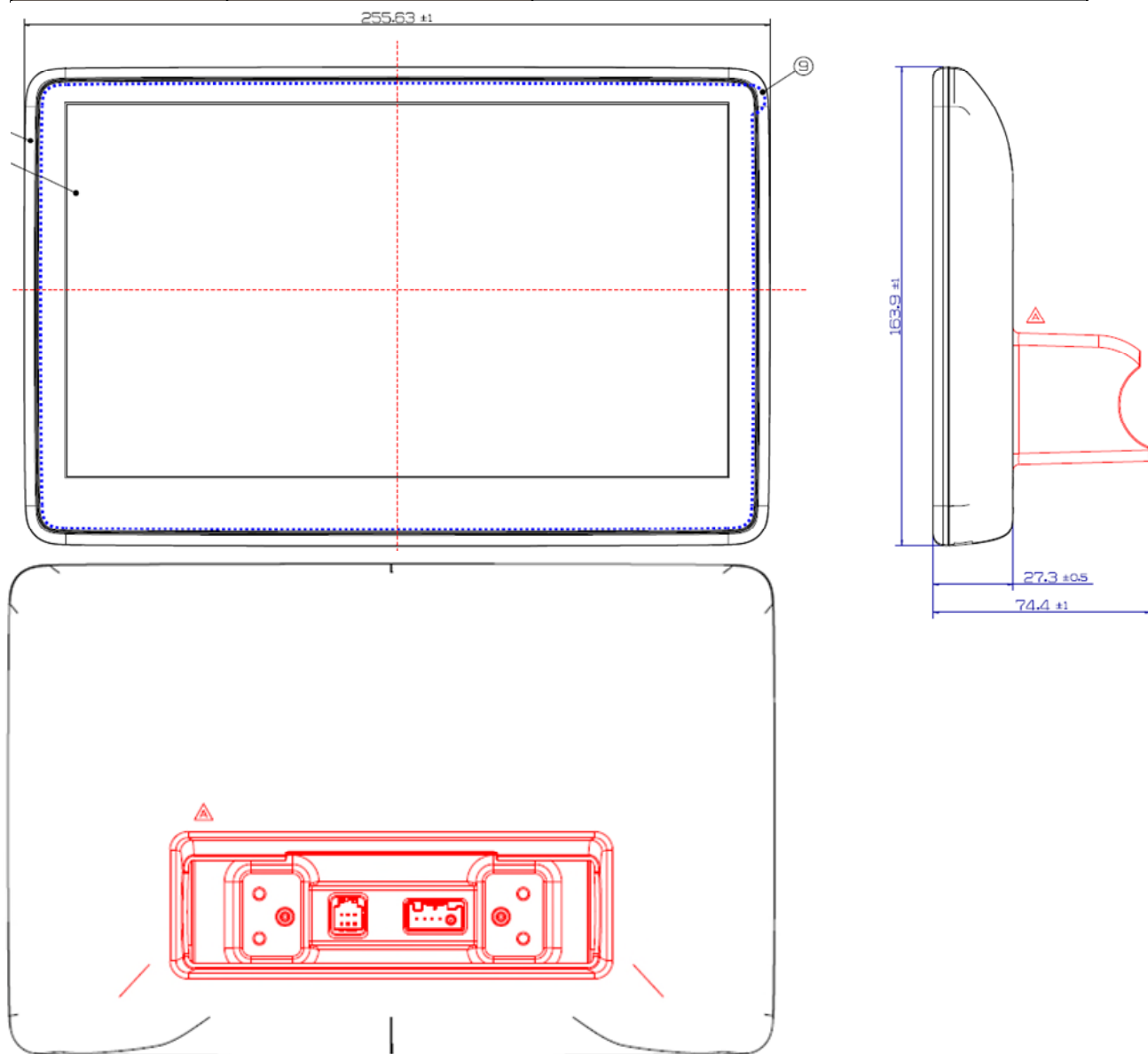
< Basic Design Concept >



Head Unit 치수 (mm)	178 ±0.3
	153.8 ±0.3
	70 ±0.3

< Basic Design Concept >

Item	Categories	Specifications
Specification	Product Name	Rear Seat Entertainment system
	Model	NDHKANBN0A2
	Dimensions	Refer to image
	Weight	
	Power source	DC 12V
	Operational temperature range	-30 °C ~ 85 °C
	Device Type	OEM Device installed in vehicles



***RF specifications**

[BT]

Head Unit BT module SUPPORTED SPEC :
BT 4.2 / BDR /EDR
SUPPORTED PROFILE : HFP 1.7 / A2DP 1.3
/ AVRCP 1.6 / PBAP 1.2 / MAP 1.2 / SPP1.2
/ BIP 1.2
FREQUENCY RANGE : 2402 ~ 2480 MHz
Output Power : MAX 4.0(dBm)
Number of Channel : 79

<WIFI>

STANDARD IEEE 11 a/b/g/n/ac
Frequency range :
2412 ~ 2462(MHz) ~ MAX 20(dBm)
5150 ~ 5250(MHz) U NII BAND1
5725 ~ 5850(MHz) U NII BAND3
MAX14dBm

[BT]

RSE BT module SUPPORTED SPEC :
<BT >
SUPPORTED SPEC : BT 4.2 / BDR /EDR
SUPPORTED PROFILE : A2DP 1.3.2 / AVRCP 1.6.2
FREQUENCY RANGE : 2402 ~ 2480 MHz
Output Power : MAX 4.0(dBm)
Number of Channel : 79

[Wi-Fi power setting]

FCC

Mode	Band	Power Setting_FCC				
		a	b	g	n	ac
2.4GHz	2.45GHz		16	12	12	
5GHZ (20 MHz)	UNII 1	12			12	8
	UNII 3	12			12	8
5GHZ (40 MHz)	UNII 1				10	8
	UNII 3				12	8
5GHZ (80 MHz)	UNII 1					8
	UNII 3					8

IC

Mode	Band	Power Setting_IC				
		a	b	g	n	ac
2.4GHz	2.45GHz		16	12	12	
5GHZ (20 MHz)	UNII 1	9			9	8
	UNII 3	12			12	8
5GHZ (40 MHz)	UNII 1				10	8
	UNII 3				12	8
5GHZ (80 MHz)	UNII 1					8
	UNII 3					8

RED

Mode	Band	Power Setting_RED				
		a	b	g	n	ac
2.4GHz	2.45GHz		16	12	12	
5GHZ (20 MHz)	UNII 3	10			10	8
5GHZ (40 MHz)	UNII 3				11	8
5GHZ (80 MHz)	UNII 3					8

[Wi-Fi power setting]

KC

Mode	Band	Power Setting_KC				
		a	b	g	n	ac
2.4GHz	2.45GHz		16	12	12	
5GHZ (20 MHz)	UNII 3	12			12	8
5GHZ (40 MHz)	UNII 3				12	8
5GHZ (80 MHz)	UNII 3					8

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

French Canadian Compliance Statements

"Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

"This Class B digital apparatus complies with Canadian ICES-003."

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

"This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter."

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

"This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body"

Cet équipement doit être installé et utilisé à une distance minimale de 20cm entre le radiateur et votre corps.