Cobalt Cube

Manual V1.0

1. Introduction

Cobalt Cube has many features, here are some of the major benefits. Please note some of these require optional configurations.

1. Streamline commands
   Systems such as Automatic Number Plate Recognition, lights and sirens (with controllers such as MCS) are linked via the Cobalt Cube for display on the vehicles built-in dashboard display.
   All vehicle systems are controlled from the same display rather than separate bulky hardware and aftermarket screens.

2. Modular dash display
   Smartphone, PC and other required devices integrate into the single display of the dashboard, allowing safe stowage.
   Display and control any iPhone or Android application from the dashboard, together with applications preloaded onto Cobalt Cube.

3. Remote view
   Operatives in command control can access live, secure telemetry and custom data from the vehicle via the Cloud.
   Remote access to vehicle cameras, sirens and locking from outside the vehicle by officers on foot or operatives at headquarters.
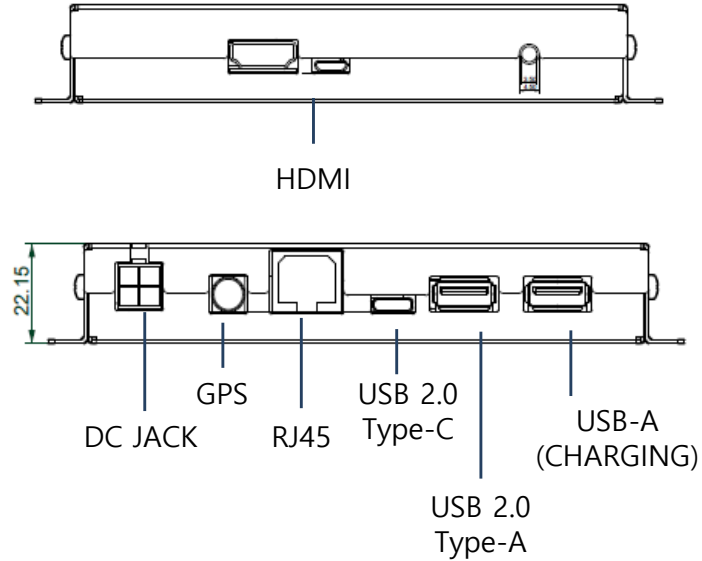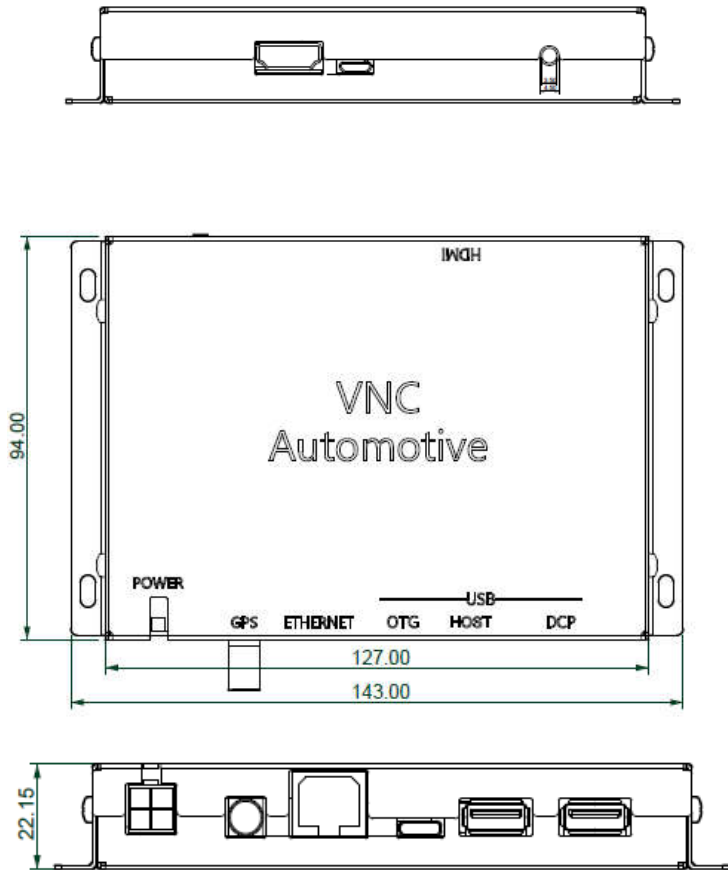
4. Robust and resilient
   Proven hardware that will operate even in the harshest environments.
   Cobalt Cube operates in the toughest climate conditions that emergency and first response vehicles will encounter.

2. Appearance and Interfaces

HDMI

DC JACK
GPS
RJ45
USB 2.0 Type-C
USB-A (CHARGING)
USB 2.0 Type-A

Connection
DC JACK : connect to battery
GPS : connects to GPS active antenna
RJ45 : connect to Ethernet
HDMI : connect to monitor(optional)
USB-C : OTG 2.0, uses as USB device
USB-A : host 2.0
USB-A : for charging

3. Product Specification

Item	Spec
Power supply	• DC 12V, 43W
Back-up Current	• < 1mA
Operating Temp	• -20 ~ +40℃
Storage Temp	• -40 ~ +85℃
Dimension(WxLxH)	• 143 x 94 x 22.15 mm
Weight	• 300 g
Bluetooth	• 5.0 (BDR, EDR, LE 1M,2M) • 2402 ~ 2480 MHz
WIFI	• 2.4G/5G 802.11 a/b/g/n/ac

Item	Spec
HDMI port	• HDMI out 1EA
GPS	• GPS, GLONASS, GALILEO • FACKRA type C
Ethernet	• RJ45 10M/100M
USB	• USB-C 1EA (OTG 2.0) • USB-A 1EA (host 2.0) • USB-A 1EA (charging)

Regulatory & Safety Notices

USA: Federal Communications Commission (FCC) statement

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, including interference that may cause undesired operation of the device.

FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void
the user's authority to operate the equipment.
This device should be installed and operated with minimum 20 cm between the radiator and your body.

Note: 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 or more 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

This device meets the FCC and IC requirements for RF exposure in public or uncontrolled environments

Canada: Industry Canada (IC) statement

This device meets the IC requirements for RF exposure in public or uncontrolled environments.

Cet appareil est conforme aux conditions de la IC en matière de RF dans des environnements publics ou incontrôlée

IC Notice to Users English/French in accordance with current issue of RSS GEN:

This device complies with Industry Canada license exempt RSS standard(s).

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.

Cet appareil est conforme avec Industrie Canada RSS standard exempts de licence (s).
 Son utilisation est soumise à Les deux conditions suivantes:
1. cet appareil ne peut pas provoquer d'interférences et
2. cet appareil doit accepter Toute interférence, y compris les interférences qui peuvent causer
 un mauvais fonctionnement du dispositif

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