

STANDBY®

UniScreen

Next generation emergency vehicle control

Cleaner dashboard, safer fleet, a smarter way to work!

UniScreen transforms the way Emergency Services and specialist vehicles operate by bringing complete system control directly to the vehicle's OEM infotainment screen.

All mission-critical systems - lighting, sirens, message displays, communications, ANPR, camera and DVR equipment are seamlessly integrated into one intuitive interface.

- *Improve driver focus and safety*
- *Preserve structural integrity, reduce fleet risk*
- *Slash installation time*
- *Faster installs mean less down time*
- *Minimal dashboard intrusion*
- *Enables discreet installation of covert equipment*



Reduce dashboard clutter, boost capability,

The Standby UniScreen System transforms Emergency Service vehicle operations by integrating control of all mission-critical systems directly through the vehicle's infotainment screen.

By replacing multiple, retrofitted control units typically bolted onto dashboards, UniScreen significantly reduces fleet risk and enhances safety. The intuitive touch screen interface eliminates dashboard clutter, reducing driver distraction and minimising the risk of injury to the driver or front passenger in the event of a collision.

The UniScreen platform enables operators to centrally manage critical Emergency Service systems from a single, ergonomically designed and manufacturer-tested display.

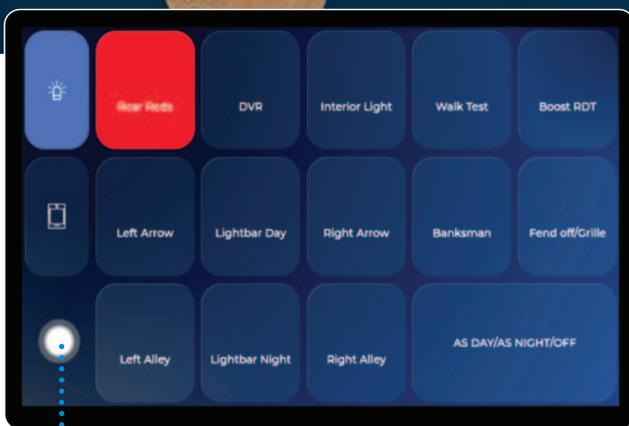
This includes control of warning lights and sirens, ANPR / ALPR cameras, CCTV / DVR systems, matrix message boards, mobile communications and Command & Control software. UniScreen also supports screen mirroring of third-party devices such as smartphones and PCs, delivering a unified, streamlined operational interface.

Because UniScreen uses the vehicle's original, crash-tested infotainment display, it also preserves the dashboard's structural integrity.

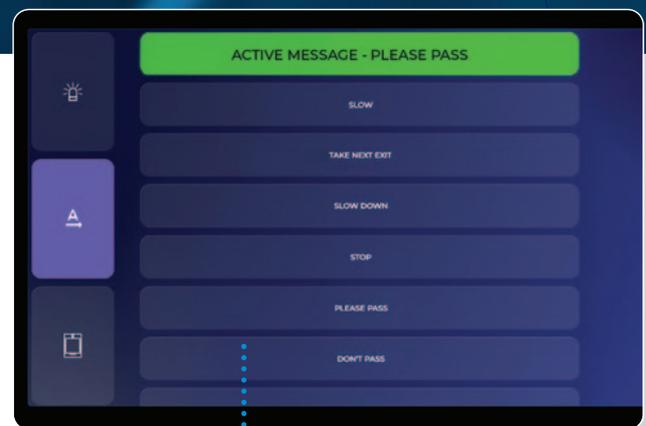
At the end of the vehicle's operational life, this integration minimises dashboard damage and helps to maximise resale value.



- *Eliminate traditional control methods*
- *De-clutter driver environment*
- *Avoid airbag zones*
- *Centralised touch screen*



• ENTRY POINT TO MATRIX MESSAGE BOARD CONTROL SCREEN



• MATRIX MESSAGE BOARD CONTROL SCREEN

modernise control

What is the UniScreen?

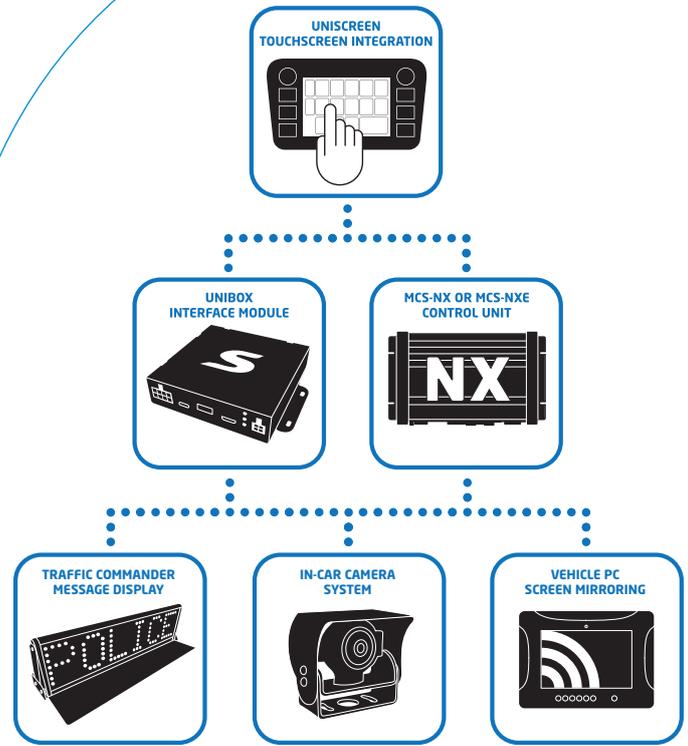
- UniScreen is an electronic interface module that manages the control of Emergency Service / Critical Use / Utility / Bus electrical / electronic equipment through the vehicle OEM infotainment screen.

How does UniScreen connect to a vehicle?

- UniScreen is managed by the UniBox's on-board electronic module and interfaces with the vehicle's infotainment system, with additional connectivity via HDMI and USB

Key features of the UniScreen

- Navigating in UniScreen is simple and intuitive
- Invisible when turned off, it is discreet
- Removes bolt on devices from airbag deployment zones



4G Connectivity

Built-in 4G enables secure remote access for diagnostics, firmware updates, configuration, and vehicle location (with compatible CAN systems such as MCS-NX), allowing fleets to manage systems without physical vehicle access (SIM and data plan required).

Wi-Fi Connectivity

Wi-Fi provides an alternative to 4G, supporting software updates, configuration, diagnostics, and data exchange without a mobile data subscription.

Bluetooth

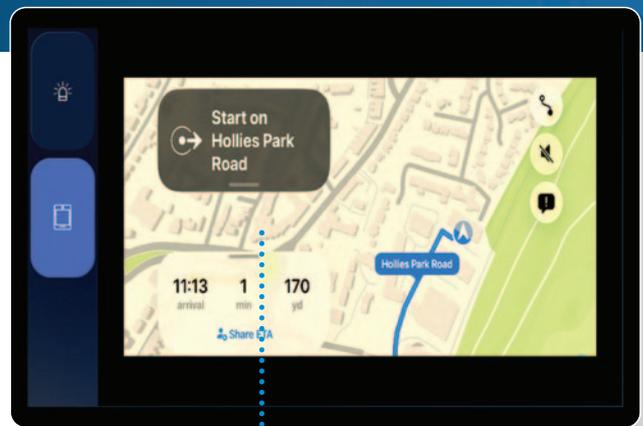
Bluetooth supports integration with peripherals such as audio devices and sensors (e.g. temperature or movement), with data displayed centrally via the UniScreen application.

HDMI Input

HDMI allows external devices (e.g. phones, MDTs, laptops, ANPR or DVR systems) to be displayed and controlled within UniScreen, with optional touch support, reducing the need for multiple screens.



ENTRY POINT TO THIRD PARTY DEVICE SCREEN MIRRORING



THIRD PARTY DEVICE SCREEN MIRRORING

Bring order to complexity, bring UniScreen to your fleet!

UniBox Interface Management Module

The UniScreen package consists of a UniBox interface module, cables and core application software tailored to the vehicle duty.

The UniBox is the in-board electronic module that manages the UniScreen platform through the vehicles infotainment screen.

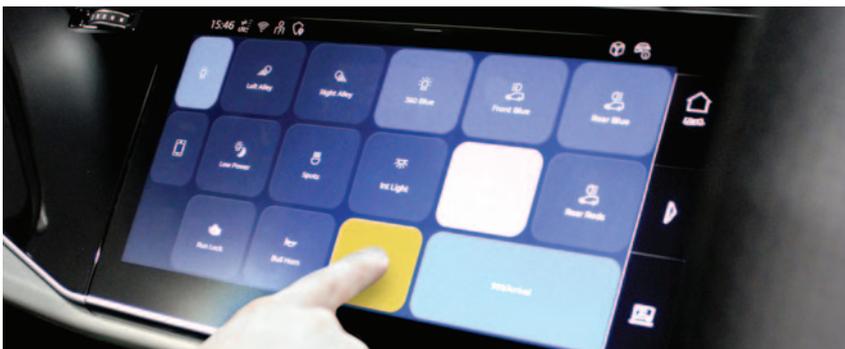
- UniBox is vehicle agnostic and can pair with a wide range of vehicles (fit for most brands and vehicles)
- Several I/O for ease of connection
- Accepts multiple antennae
- A compact unit offering high flexibility and versatility
- Automotive grade design and manufacture
- Powered by an MCS-NX / MCS-NXE control unit

Features

- 8 pin minifit connector
 - Battery power supply (sleep mode = 45µA), 9-36v DC
 - 1 x CAB bus (can be set up for the future)
 - 2 x logic input (or more) for wake up
 - 1 x digital audio output
- USB C - to connect to vehicle infotainment system
- USB A - to connect USB stick, external touch panel or other remote devices
- HDMI input compatible with 720p or 1080p (60Hz) allowing the possible connection of a camera , DVR, ANPR or computer
- Analog microphone input (not typically used when coupled with an MCS-NX / NXE control unit)
- Status LEDs to visually display connections

Connections

- Antennas - WiFi, Bluetooth, 4G, GNSS (compatible GPS, Beidou and Glonass)
- Sim Card Slot - provided for future applications
- SD Card Slot - to upload or download as a digital recorder of events (not typically used if coupled with MCS-NX / NXE unit)
- HDMI output to enable another screen or to use if vehicle isn't compatible with desired connection method
- All connectors have a locking system to eliminate disconnection from vehicle vibration
- S1 & S2 physical switches used to manually immobilise 4G and Bluetooth functions



UniBox Technical Specification

Nominal Voltage:

12 VDC (9...16 VDC)

Current Consumption:

< 700 mA in operation,
< 400 µA in standby mode (fuse 5A)

Operating Temperature:

-40°C - +85°C

Inputs:

2 x < 20 mA (plus active)

Maximum Refresh Rates:

HDMI OUT 1280 x 720 @ 60hz

Connections:

1 x MOLEX MiniFit jr., 1 x MOLEX MicroFit jr.,
1 x USB-C, 1 x USB-A, 2 x HDMI-mini,
5 x Antenna (Bluetooth, GSM, WLAN),
1 x SD-Card, 1 x SIM-Card

Dimensions:

99.5 x 111 x 26mm (without bracket),
120 x 111 x 31.5mm (with bracket)

Weight:

314g

Protection Class:

IP 54

Cold Start:

< 32 s

Shock Resistance:

IK08

Vibration Resistance:

IEC 60068-2-64, IEC 60068-2-27

Approval:

ECE R10: E2*10R06/02*24032*00,
BOS / CISPR 25 Class 5