



INTEGRATED CONTROL SYSTEM



In cooperation with:



PROGRESSIVE IN-VEHICLE TECHNOLOGY FOR THE MODERN POLICE FLEET



Ford Police Interceptor Utility



Ford Police Interceptor Sedan

AN ENHANCED USER EXPERIENCE EMERGES

The Integrated Control System combines cutting-edge, on-board technology, the convenience of touch control, and increased space to provide police officers with a comfortable, safe and connected solution in their cockpit. This highly integrated and customizable control system also creates a more efficient work environment.

- **Vehicle Integration:** The Integrated Control System is designed to fit the Ford Police Interceptor Utility and Ford Police Interceptor Sedan dash without permanent modification. Retrofit can restore original OEM dash or leave the display.
- **Safety:** By relocating computers and video sources to the trunk, the Integrated Control System allows for a flush profile of the OEM dash and a clean cockpit. This ensures OEM safety systems are unobstructed and avoids airbag interference.
- **Ergonomics:** The placement and orientation of the Touch Screen Display achieve the ideal position for the driver's and passenger's health, comfort, efficiency and safety.
- **Display Visibility and Durability:** The ultra-wide viewing angle of the sunlight-readable LCD Touch Screen Display gives the driver or passenger full control of the system. It is composed of chemically strengthened glass that can withstand impact without chipping.



HOW THE HAVIS INTEGRATED CONTROL SYSTEM WORKS



VIDEO DISPLAY 1

Driven by the Embedded Processor, the Touch Screen Display provides control for functions such as AM/FM Radio, camera, systems, and settings.

The **Touch Screen Display** provides user control of all functions and settings in the Integrated Control System.

Use one-touch **MODE** button to easily alternate between Video Display 1 and 2.

MODE



VIDEO DISPLAY 2

The A/V Extender allows for video input from a remote PC, Laptop or Tablet that connects to the Touch Screen Display.

The **Embedded Processor** connects to Ford wiring and replaces the OEM AM/FM Radio Module.



A sophisticated audio management system prioritizes the use of the vehicle's audio system so important communications are not missed.

Vehicle Cabin

Vehicle Trunk



Havis trunk mounts secure and organize the PC, laptop or tablet as well as other in-vehicle equipment. Havis also recommends installing ChargeGuard to prevent dead batteries.



In the closed position, Havis' recommended trunk mounts protect equipment and provide access to the majority of the trunk space for additional storage and transport.

BASE PACKAGE COMPONENTS

Touch Screen Display



- 12.1" ultra-durable portrait display
- Multi-touch operation (pinch & swipe)
- Pressure sensitive screen allows for use with wet gloves and/or gloves
- Power and video from a single cable from Embedded Processor
- Internal heater activates below -20°C

Resolution	800 x 1280 (optimal), 1024 x 1280, & 1024 x 1600
Brightness	1200 NIT Daylight Readable
Viewing Angle	88° from all angles
Environmental	-20°C to +70°C (-4°F to +158°F)

Tactile Controls



- Convenient tactile control of Touch Screen
- Display: volume, display brightness and blackout
- One-touch MODE button easily alternates between the two displays
- Replaces factory HVAC (climate) controls, hazards and airbag indication
- Compatible with OEM factory wiring
- HVAC Fan speed, Temperature and Volume are displayed on Touch Screen Display when changed
- An audible beep can be heard on the system speakers to indicate a valid HVAC button press

Touch Technology	Cap-Sense touch pad controls
Buttons	16 controls with LED back-lighting and status indication
Environmental	-40°C to + 85°C (-40°C to +185°C)

A/V Extender



- Ability to remotely connect an external audio/video source to the Touch Screen Display such as PC, laptop or tablet
- Connects VGA or HDMI, micro-USB*, and analog audio to Embedded Processor with a single shielded CAT6A cable, which is designed for an automotive environment

Inputs from PC	VGA, HDMI, micro-USB*, Audio
Power	No separate power required
Environmental	-40°C to + 85°C (-40°C to +185°C)

* micro-USB only allows for the input of external keyboard, mouse and touch screen feedback

Embedded Processor



- Mounts in place of OEM AM/FM radio module
- Controls AM/FM Radio, A/V Extender
- Steering wheel control functionality is highly customizable to provide "one push" operation of critical functions
- Supports Bluetooth Phone connectivity via the Parrot CK3100 Car System

I/O	CAN, USB, RS232, Ethernet, Discrete, A/V
Amplifier	4 x 20W speakers
Radio	AM/FM/WB tuner
Application Framework	Android 4.1
Environmental	-40°C to +85°C (-40°C to +185°C)

RECOMMENDED MOUNTING OPTIONS

Console Mounting Packages	Vehicle specific console (standard or low profile), cup holders and arm rest
Console Mounting and Keyboard Packages	Vehicle specific console (standard or low profile), cup holders, arm rest, keyboard with mounting plate, and tilt-swivel motion device
Trunk Mounting	FORD POLICE INTERCEPTOR SEDAN: Premium Fold Down Trunk Tray or Full Width Trunk Tray Bearing FORD POLICE INTERCEPTOR UTILITY: Universal Storage Box for Utility Vehicles or Premium Fold Up Equipment Tray