

# Flight Navigation Software



## SKYVIEW FLIGHT NAVIGATION SOFTWARE

Australian law enforcement agencies have been fitted with equipment including mobile PCs, touch screens and a gyro-stabilised multi-sensor imaging system. MetroView technology for controlling video information and displaying mapping links the equipment together.

Originally developed for use as a navigation system in Rescue, Medical and Law Enforcement helicopters, the system has been developed further to provide digital navigation software for a range of potential users including government and military organisations and other essential services. The system uses several data sets to display vector maps relating to street address information Australia wide.

The product is designed to support the user through the provision of rapid text and map information for a chosen destination or 'target'. Using a GPS enabled laptop computer, the user can view their position relative to another location, or 'target'. By using the search feature,

the software displays a location and then shows all of the information needed to get there. This includes distance, bearing and an Estimated Time En-route or ETE. The software is commonly used on laptop or tablet PC's and is just as effective as a research and planning tool when used on a desktop PC.

The software will control the imaging system allowing a user to instantly lock onto a specific address. In reverse, the software will display address information as the camera is panning across an area.

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## CONTINUED...

There are many benefits to using a digital navigation system especially in an emergency or urgent situation.

They include:

- Ease of use whether experienced in traditional navigation or not.
- Easily updated and saves expense of maintaining book and paper maps.
- Portable and compact.
- Fast and accurate information means a faster response time.
- Extremely accurate address, latitude & longitude or grid reference information.
- Shows time to get to an address or location.
- Shows bearing to an address or location.
- An ability to integrate your organisations communications channels and command location for that area.
- Can integrate other information within your organisation that is geographically referenced.
- Recording and displaying your 'track' walked, driven, flown etc. on MapInfo®.
- Touch screen systems are perfect for outdoor use.
- Integration of PSMA data with hi resolution aerial photography.
- Allows the viewing of multiple screens at one time - each offering separate zoom levels and functionality.
- Can be easily minimised to use other computer functions.
- Is not processor or memory intensive.
- Has several map modes including Topographic, Metropolitan and Aerial (both satellite and hi-resolution photos)
- Allows the importing and exporting of waypoints between other like systems.
- Integration with gyro-stabilised multi-sensor imaging systems with inertial measurement units fitted.



### IMAGING SUPPORT

The MetroView software provides support for gyro-stabilised multi-sensor imaging systems. The software can be used to control the camera by typing in a street address and having the camera automatically lock to that position. The software will also display the street name for the current camera fix when panning the camera to locate a target.



### SOFTWARE

The software has been specifically designed for touch screen use. Large buttons allow for rapid control even with gloves being worn. The display window can be easily configured to provide the optimal view including multiple map windows, aerial photography and live camera display.



### PROVEN SOLUTION

The MetroView flight navigation solution is operational in law enforcement agencies around Australia. The software has been designed in conjunction with operational police departments. There is no limitation to the customisation of the software for specific purposes.