

# QRO Tablet based ANPR

Handheld rugged Windows MDT and ANPR



**Windows based rugged tablets provide a cost effective platform for dual purpose portable and fixed in-vehicle ANPR and DVR capabilities.**

QRO has worked closely with their customers in order to provide the opportunity for Police forces to run ANPR and DVR on their current, or new, Windows rugged tablets. The ability to provide Police officers a platform that can be used when docked in a vehicle with external cameras connected, or portably using the tablets internal Webcam has been welcomed by many of our existing and potentially new customers.

The customer can choose a number of integration options currently supported by QRO as indicated below:

**Tablet integration with additional processing unit** is a robust combined boot mounted standalone ANPR/DVR system with a portable Display (Tablet) that is capable of running additional applications without impacting on the ANPR/DVR system. In addition, the tablet can be removed for external use, without impacting on the continued operation of the ANPR and DVR.

**Tablet as a single processing unit** utilises a QRO developed interface unit that provides video image capture channels, RS232, Digital I/O ports and power distribution without the need for a second processor. This product allows the specialised vehicles to take advantage of the tablet technology without compromising their current ANPR capabilities.

**Tablet standalone** has been developed as a cost effective solution to equip non-specialised vehicles with the potential to utilise ANPR technology. Specialised vehicles account for only 15% - 20% of the police fleet and have historically been the only vehicles to utilise the ANPR functionality. The tablet standalone product looks to address the remaining police fleet with an additional tool to help gather valuable intelligence data whilst carrying out their everyday activities.



## Comparison of the options available:

Integration	Summary	Key Pros and Cons
Tablet integration with additional processor	All ANPR/DVR are carried out on external processor so operations can continue when removing the tablet from the vehicle.	Operation without tablet Faster processor More expensive option More power requirement
Tablet as single processing unit	All ANPR and DVR are performed on the tablet and data/video capture is performed on QRO's ancillary tablet interface unit.	Lower cost than other options 6 channels of video 4 x RS232 Digital I/O for DVR triggering Processor speed limited Requires tablet for all ANPR/DVR operation
Tablet standalone	Ability to use tablet in a handheld environment for ANPR.	Lower cost than above Portable option Utilises built in webcams or a single external camera Lack of connectivity over other options

The integration can be performed on many of the latest windows tablets and has been successfully tested on the Getac T800, Tetratab CasePad, Panasonic FZ-G1 & FZ-M1, Motion Computing F5te and Lenovo tablet devices.

### Tablet

Operational flexibility of ANPR/DVR in fixed system or portable mode.

All applications installed on tablet without a need for additional PC platforms.

Windows 8.1 Pro OS in line with current IT requirements

### DVR

DVR application can be utilised for in-car or portably for example at the scene of an accident

DVR is event triggered such as 999 button with pre and post buffering DVR has video overlay, audio and street names

Multiple channel capabilities depending on processing platform

### ANPR

Single or multi-channel capable

BOF2 web service interface

Full camera control from GUI

Proven high accuracy ANPR engine capable of meeting latest

NASP requirements

To view our BMW 330d Demonstrator please contact: **James Bristow, 01604 781890, james.bristow@qrosolutions.co.uk**