

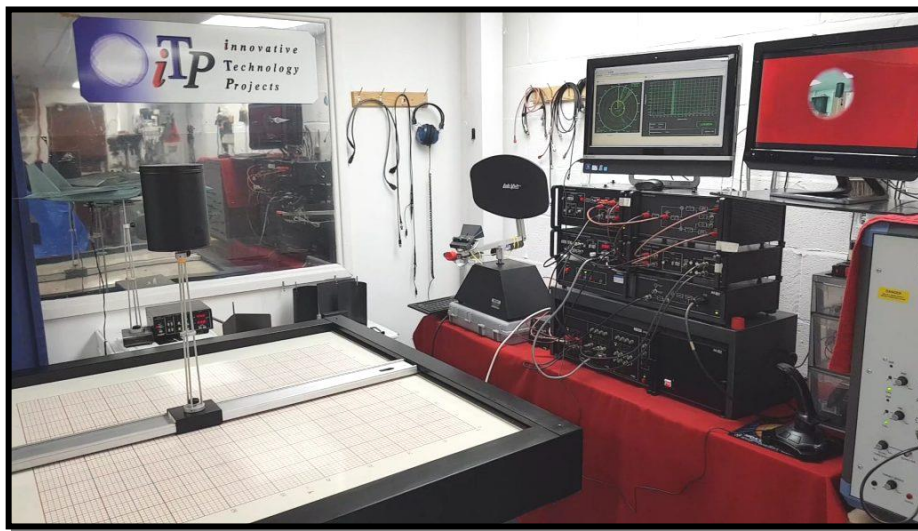


# **innovative Technology Projects** Ltd.

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## **Assisted Camera Tracking Radar Training System (RTS) Add-on**

Requested by the UK military as a 'Fire Control Tracking Radar'  
training enhancement.



See the video at –  
<http://itp101.com/radar/>

### **Description –**

A unique add-on for the military's number one real time tracking **Radar Training System (RTS)** with **PC interaction**.

The camera is mounted on the boom of the parabolic antenna, behind the tracking twin horns, and has both **color video** and **infrared** sensing. The red display with the aperture in the middle, is the camera target tracking display.

There are no other radar training systems which have the range of add-ons which the **RTS** has – Phased Array, Tracking, EW, RCS/ISAR, SAR, Pulse Compression and now **Video/IR camera**.

## ACT Technical Specifications

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High Definition camera module, provides high sensitivity, low crosstalk and low noise image capture in an ultra-small and lightweight design. The camera module connects to the processor board via the CSI connector designed specifically for interfacing to cameras. The CSI bus is capable of extremely high data rates, and it exclusively carries pixel data to the processor.



### Hardware Details -

Resolution	8 - megapixels
Still Picture Resolution	3280 x 2464
Image Sensor	Sony IMX 219 PQ CMOS
Max Image	1080p: 30fps (encode and decode)
Transfer Rate	720p: 60fps
Image Control	Automatic 50/60 Hz luminance detection
Power Supply	+ 5 Volts from rechargeable USB power pack
Interface Connection	15-pin ribbon cable
Temperature Range	Operating: -20° to 60°
Dimensions	23.86 x 25 x 9mm
Weight	3g
Black plastic Enclosure	5g

### Software Details –

Putty and VLC applications supplied, compatible with Microsoft OS WIN 10.

Static IP: 192.168.4.4

Subnet mask: 255.255,255,0

Gateway 192.168.4.1

Security – Username and Password required