

Tinjau ... for surveillance & reconnaissance

Tinjau is a fully man-portable laser/radar and camera system for rapid detection and identification of intruders in remote areas. The Tinjau system is ideally suited to vehicle based operation or backpack carried during recce.

In all weather conditions regardless of visibility, this little system provides more than 150 acres and 120° of wide area intrusion detection. Designed to be easily carried by a soldier, has no moving parts and takes about ten minutes to set up.

- ➔ Laser/radar provides wide area monitoring with detection of moving targets
- ➔ Portable, fully integrated laser/radar and camera system for border patrol and security applications
- ➔ Suitable for deployment from vehicles or via backpacks.
- ➔ Integrated for threat recognition and identification
- ➔ Automatic slew-to-cue of camera
- ➔ All weather, day/night operation
- ➔ Fully scalable solution



Any movement within range can be detected by a single unit thus serving as an early warning system for the user. With the ability to detect, track and classify objects as threats; it creates Real-Time-Actionable intelligence to optimize the decision making process and improve deployment to contain an intrusion incident.

Tinjau is an integrated laser/radar and camera system for rapid detection and identification of intruders in remote areas. Tinjau is a compact, lightweight, low power system enabling rapid deployment. The laser/radar and video images may be viewed using a ruggedised laptop and battery powered.

Tinjau is an integrated sensor system that uses the laser or radar for the rapid detection of moving targets. The laser/radar automatically

cues a long range camera to stare in the direction of the target, enabling the operator to recognise and identify that intruder. The image is displayed on a secondary screen.

The Tinjau system is ideally suited to vehicle based operation or backpack carried. Either wired or wireless links may be used to remotely operate the equipment from the comfort and protection of the vehicle.

The Tinjau equipment has very low power consumption. For battery only operation, a small set of Li-Ion batteries allows continuous operation for a 8 hour shift, making it ideal for short term deployment. For continuous 24/7 operation, the equipment may be powered directly from the vehicle or the batteries can be recharged from via solar power.

PERIMETER AND BORDER SECURITY SOLUTION

New Security Solution Offers Innovative Way to Secure Sensitive Perimeters

With JAGA Systems, you can detect and locate intrusions on perimeters and borders that were until now, always thought to be too expensive to protect. Advance algorithms minimizes nuisance alarms, without compromising intrusion detection sensitivity.



Modular design



All weather
all terrain



Portable



Simple and robust
design



Situational
Awareness
Technology



Hands off
operation

Remote Border Surveillance

Tinjau is a cost effective solution to border surveillance where a relatively small number of vehicles and border patrol staff can move rapidly to border areas that are being breached. The rapid deployment and pack up of the equipment allows border patrol staff to react quickly to changes in intruder flow.

The sensor is ideally suited for operation in remote mountainous terrain. It detects humans moving through rocky landscapes. The radar's 30° vertical elevation beam allows it to see the tops of hills as well as down into valleys; simultaneously. Terrain compensation feature in miJAGA Tinjau allows the camera to tilt to the correct elevation to see the intruder at a specific range and bearing.

Temporary Camp Protection

Mobile security patrols often need to provide overnight surveillance to protect themselves when resting. The Tinjau system can be rapidly deployed the moment the patrol stops. It can be remotely deployed either to look over camp from a distance or to persistently monitor specific high risk security areas.

The miJAGA Tinjau includes operator defined 'Alert' and 'Exclusion' zones. An intruder entering the Alert zone will be detected by the laser sensor, trigger an alarm on the miJAGA Tinjau and automatically cue the camera in the direction of the intruder. This automatic operation allows the operator to conduct other activities or rest until alerted by the Tinjau system.



Low False Alarm
Ratio (FAR)



High detection
probability



Minimum
installation time



Low cost
deployment,
infrastructure

Perimeter and Border Security Solution

www.jagasytems.com

