



Infrared Heat-Mat

Replicates infrared profiles of vehicles and humans, designed to be low cost, easy to use, lightweight and rapidly deployable.



Innovate for success

PhoenixC4i's infrared heat-mats represent infrared profiles to mimic vehicles and humans at 'Detect':

- the unique pixelated design
 - optimises power
 - allows it to adapt to represent different images
 - represent movement within the IR image
- uses two different infrared materials
 - Silicone – more stable lower temperature
 - Graphene - higher temperature and movement within the image
- 'snaking' of pixels across mat creates movement and reduces power
- allows robotic deployment or by partner force
- IR heat-mats mimic real assets to:
 - confuse/ clutter/ hamper/ delay/add doubt
 - duplicate and imitate an existing capability
 - require adversary to use more sensors and better analysis
 - be used in operational and training environments
 - add to an existing HQ to make it appear larger or of a different capability
 - protect high value targets (HVT) by replicating HVTs to increase 'sensor to effector'

Infrared Heat-Mat Capabilities / Features

- Representative infrared profiles of vehicles and humans
- Remote control / monitoring
- Easy to use / minimal training
- Easily deployable / retrievable
- Light weight
- Low cost
- Secure, low complexity



Contact us

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