



Mini Shadow is a compact jamming system which can be wall mounted in rooms and around a building to provide complete protection.

Each Jamming module can be remotely controlled and radiates multiple programmable jamming carriers that can instantaneously jam selected frequency bands.

The modular design enables the system to be fitted to jam the required threat frequencies while being easily maintained by personnel in the field.

Anti-tamper features make the Mini Shadow ideal for installation in secure facilities such as prisons and detention centers.

Specification

Frequency Bands

- Band 1 20MHz - 480MHz
- Band 2 480MHz - 900MHz
- Band 3 850 - 990MHz
- Band 4 1800MHz - 2000MHz
- Band 5 2100MHz - 2170MHz
- Band 6 2400MHz - 2700MHz
- Band 7 3600MHz - 3800MHz
- Band 8 5400MHz - 5800MHz

Jamming Technique

Variable Swept Carrier with selected modulation or ramp swept with adjustment to 1uS.

Channels

16 to 512 active channels selectable ON/OFF for each band.

Control

RS232/USB, Ethernet or WiFi.

Wall mount Jammer Tx Powers

Per Band available from 2—16W specified at the time of order.

Antennas

Omni and/or Directional high gain.

Environmental / Mechanical.

Size	Low Power Version ~250mm high, 300mm wide, 70mm deep
Weight	~850g (Depending on options) Power
	240VAC Typical 25W / POE 25-50W
Temperature	-10°C to 50°C

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Preventing the use of mobile phones and communications devices in Prisons and Secure Facilities is an important part of security and crime prevention. The Mini Shadow LP '**Cell-block™**' system is a comprehensive communications device jamming system.

Equipment

Designed and manufactured in the UK. The equipment is suitable for fitting into Prisons / Jails or Secure Buildings to give protection against unauthorised use of mobile phones and other mobile communications devices. The jammers are wall mounted or free standing with universal power supply.

A full range of integrated efficient antennas are provided in the system to ensure the maximum energy is transmitted into the required area. These antenna are designed and built in the UK and installed as part of a turnkey solution. An optional battery backup facility can also be offered to provide one hour of use without power from the mains.

A wide selection of frequency bands are selectable by the customer depending on country and local operator networks. Each jammer is remote controlled by the '**Sentinel**' monitor and control software application.

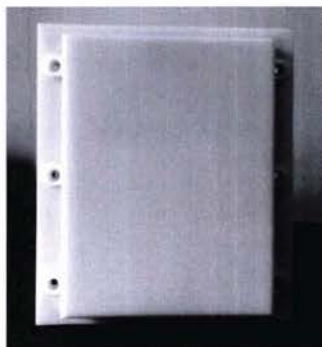
Wide band Cell-block Jammer System.

Mini Shadow LP Cell-block Jammer units can be powered from mains power or PoE. Control is provided from RS232/USB, Ethernet or WiFi. For mobile phones and communications devices a single Mini Shadow system can jam the following popular bands:

GSM-850,
E-GSM-900,
DCS-1800,
PCS-1900,
UMTS-2100,
WiFi 2.4G

All **Cell-block™** jammer modules have options to adjust frequency and power to ensure only the mobile networks in the area are jammed. The system can be optimized to keep the transmission from each jammer to a minimum while maintaining full effect.

Detectors may be supplied at various locations to monitor RF activity in dedicated bands. Upon detection of activity the Detector activates the Cell-block jammer. Once activated the jammer will transmit for a set duration. Upon secession the Detector immediately checks for RF activity again and the process repeats.



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