



DOBERMANN 150/151

DOBERMANN is a ruggedized networked drone jammer.

DOBERMANN 150/151 (DM150/DM151) is a ruggedized networked Counter UAS jammer that can protect against drone threats by actively disrupting the control signal between the drone and its operator. DM150/151, however, is not your typical jammer and is packed with next-generation features that will make it stand out, including its scalability, jamming methods and autonomous mode.

DM150/151 is functionally similar to Dobermann 100/101, but ruggedized for use on military and civilian vehicles. The DM150/151 is designed to withstand vibration and shock of military vehicles along with a range of harsh environmental conditions including dust, salt and solar radiation.

Technical features	DOBERMANN
Frequency bands	DM150: 2.4GHz, 5.2GHz and 5.8GHz DM151: 2.4GHz, 5.2 GHz, 5.8GHz and 1.6GHz (GNSS)
Jamming range ratio	Typical approximately 80%
Transmit power	Up to 2W average / Up to 10W peak
Weight	1500g excl. vibration mount
Size (L x W x H)	174mm x 122mm x 63mm
Temperature	-30 – 65°C
IP rating	IP68
Operation	Both automatic and manual
Power	Up to 25W (PoE+)
Software defined radio	Upgradable
Antenna	6dBi antenna gain EIRP of 8W (39dBm) Circular polarized ½-pwr bandwidth 60° horizontally & vertically

Smart jamming

Utilizing a next-generation jamming method, the DOBERMANN is able to perform smart jamming, where only a fraction of the spectrum is being jammed, as opposed to jamming larger parts of the spectrum. There are many benefits of smart jamming, including the ability to jam drones at a safe distance, with only a few Watt output power.

Collaborative jamming

While most jammers work independently, DOBERMANN is built for collaborative jamming. Each jammer is radiating with low power, but in collaboration mode they will have a high-power effect in the target area, allowing effective defeat of drone threats. Hence the total collateral damage to the surroundings will be minimal while the effectiveness on target is optimized.

Autonomous jamming

The DOBERMANN Counter UAS jammer can either function in manual mode, allowing the operator to decide when to actively engage a drone threat, or it may be instantly configured to autonomous mode, which allow the jammer to actively engage drones when detected. For this, the DOBERMANN requires the WATCHDOG or WOLFPACK drone detector, which will passively detect drones in the vicinity of the protected area, and once a drone is detected, the networked DOBERMANN will automatically start jamming the drone's control signal.

The WATCHDOG UAS detectors are networked RF sensors that provide make/model information to the end-user by classifying control signals and video feeds to and from the drone.

The DOBERMANN Counter UAS jammer can be operated from MyDefence Iris or integrated into existing C2 systems through MyDefence Argos.

Contact MyDefence

E-mail: sales@mydefence.dk

Phone: +45 70 251 252

www.mydefence.dk

