



## INTRODUCTION TO TANZ DRONE JAMMER M SERIES

Nowadays drones have become a security threat for major Government and critical infrastructures, airports, power plants, petrochemicals and Government installations are a growing target to terrorist attacks, technology know-how protection.

Strict regulations control flying areas and flight permission but there is not any real control in the drone use. Authorities, Police Depts. And Governments require real solutions to prevent from drone security issues.

Tanz Security drone M Series jammers are designed to prevent aerial security issues and ensure not any drone will flight around or above the facilities protected.

## SYSTEM OVERVIEW

Tanz Security drone M Serie jammers are midrange security systems, fully waterproof and specially designed to content a complex multispectral jammer. Able to control several frequencies and ready to work in different power levels, depending facility dimension.

It is especially effective in petro chemical plants, jails, military facilities, embassies or punctual events.

Tanz Security M Serie jammer is designed in a tubular format, easily camouflaged and easy to hide, it can be installed as a normal antenna and it does not require any complex installation. The system can be controlled remotely\* to have different module jamming or the whole system jamming.

The multiband antennas cover 90° each getting full 360° around the antenna and having the UNIQUE FEATURE IN THE MARKET of jamming above the antenna to ensure the total site security. This special capability makes Tanz Security jammer the only jammer able to ensure 100% the site security.

The system is ready work 24/7, “install it and forget it”. Ready to work in low and high temperatures, rain, dust or snow. Tanz Security jammer is ready for cold start and having an excellent heat dissipation.

\* Depending the model



## MAIN FEATURES AND ADVANTAGES

- Highly durable fiber glass housing, water, sun light, dust and corrosion ready
- Specially designed to work in corrosive environments
- Combined heat dissipation system
- Cold start ready
- Special frequency filter design to avoid overlapping frequency distortion and noise
- Specially designed to jam drone frequencies and GPS, not other regular activities are jammed
- Tailored solution with selectable frequencies to be jammed and the jamming power
- Special design to secure the system in case of electric short
- Easy to install and manage
- Able to work 24/7
- Easy to hide design
- Cost effective

## WHERE TO USE

Tanz Security jammer is designed to protect permanently “sensitive areas”, there is not supervision required therefore the system works unmanaged, decreasing the security load and having the peace of mind the jammer is always working and jamming securely the installation.

The jammer will block any drone trying to access the site perimeter and area above avoiding drones to take images, video or dropping objects into the facility areas.

- Government facilities
- Military facilities
- Airports and Seaports
- Petrochemicals and refineries
- Electric power plants
- Jails
- Sport stadiums
- ...



## TANZ SECURITY M SERIES JAMMER TECHNICAL OVERVIEW

- Short-Mid range drone jammer
- Model: M Series
- Jamming frequencies: 3 (2,4-5-Glonass), customizable options
- RF power per band: 5-10-20-50W.
- Total RF power 150-1500W.
- Radiated power per antenna: Depending in transmission power
- Available military frequencies and high power jamming

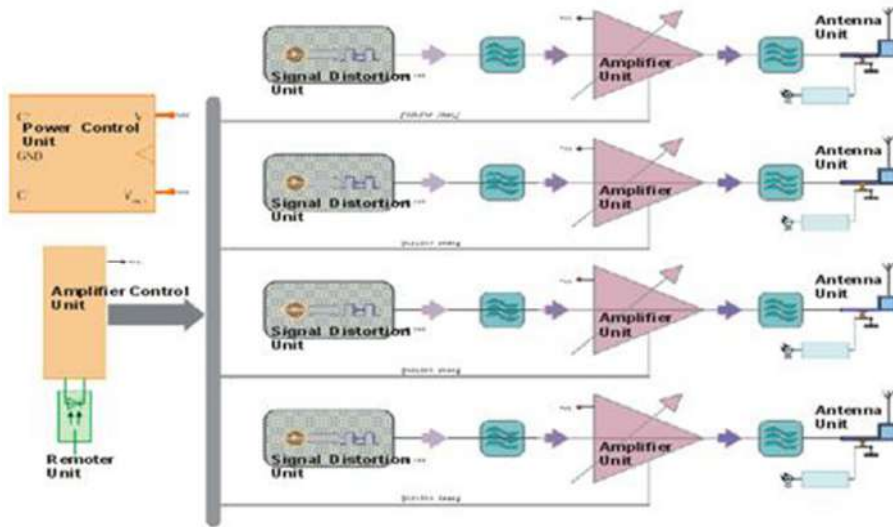
## SPECIFIC UNIT OVERVIEW AND SPECIFICATIONS

- Multiband jammer
- Compact vertical design
- High efficiency jamming
- High efficiency heat transmission system with constant cooling system
- 15 internal jamming modules
- 18dB. gain internal antennas
- AC or DC power (DC power with batteries, optional)

CHANNELS	FREQUENCY	USE	POWER
B1	2.400-2.500Mhz.	WIFI DRONES	20-100
CB2	5.000-6.000Mhz.	WIFI DRONES	20-100
CB3	1500-1650Mhz.	GLONASS	20-100
Frequency range	As per configuration		
Total power	Up to 1500W.		
Power supply	AC110-220v.		
Jamming distance	From 1Km. To 4,8Km.* (radius)		
Jamming modules	Min. 15 units		
Cooling system	Active smart cooling system		
Protection	Power peaks and Standard wave ratio		
Noise generation	Base in PLL		
Remote control	Optional		
Antenna type	Horizontal 4 in 90°, 8 in 12dBi, 1 section vertical 180° with 18dBi.		
No. of antennas	Depending in model and configuration		
AC power demand	800-1200W.		
Support power	2000W AC alternator or DC generator 28v.-200A.		
Weight	40-80Kg. depending in model and configuration		
Size	Depending in model and configuration		
Waterproof	IP66		
Working temperature	-25/65°C.		
Humidity	30-95%		

\* Depending in the distance between the drone and the remote control

# JAMMER DESIGN OVERVIEW



# OUR CUSTOMERS



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