

# TFN MS12

## PORTABLE DETECTOR FOR DRONES

SUPER COST-EFFECTIVE, DUAL  
FREQUENCY DETECTION

SIMPLE OPERATION AND  
SENSITIVE DETECTION

ULTRA-LIGHT AND PORTABLE,  
SPECIAL RUBBER SLEEVE

AUDIBLE AND VISUAL ALARM  
AND MONITORING DUTY

INDEPENDENT RESEARCH AND  
DEVELOPMENT, CUSTOMIZED SERVICES



TFN MS12 UNMANNED AERIAL VEHICLE (UAV) INDIVIDUAL SOLDIER PORTABLE DETECTOR IS A PORTABLE UAV DETECTOR CUSTOMIZED FOR THE PREVENTION AND CONTROL NEEDS OF CIVILIAN UAV BLACK FLIGHT. IT IS CHARACTERIZED BY ULTRA-LIGHT AND PORTABLE, AND CAN FLEXIBLY DETECT THE MOBILE LAYOUT ACCORDING TO THE NEEDS OF THE SITE. MOREOVER, THE DETECTOR BELONGS TO PASSIVE DETECTION AND CAN BE DETECTED THROUGH THE RADIO SPECTRUM DETECTION METHOD, TRULY ACHIEVING NO INTERFERENCE AND NO RADIATION. OPERATORS CAN CARRY THE DETECTION WORK FOR A LONG TIME WITHOUT CAUSING ANY HARM TO THE HUMAN BODY.

MS12 IS THE WORLD'S FIRST REAL HANDHELD UAV PROBE, THE OPERATION IS VERY SIMPLE, INSTALL TWO STANDARD OMNIDIRECTIONAL ANTENNA, BOOT CAN 2.4G AND 5.8G DUAL-FREQUENCY AUTOMATIC DETECTION UAV, UNATTENDED, AUTOMATIC ALARM.

# PRODUCT INFORMATION

MODEL NUMBER	MS12
FEATURE	AUTOMATIC DETECTION DRONE, AUTOMATIC ALARM, UNATTENDED
DETECTION MODE	RADIO SPECTRUM EXPLORATION (PASSIVE)
DETECTION FREQUENCY BAND	2.4GHZ & 5.8GHZ DUAL FREQUENCY
DETECTION RANGE	2.4GHZ/1KM, 5.8GHZ/0.8KM (STANDARD OMNIDIRECTIONAL ANTENNA @ THE RELATIVE HEIGHT OF THE DRONE IS 100M, OPEN WITHOUT INTERFERENCE)
RESPONSE TIME	3S RESPOND TO AN ALARM. THE STANDBY 6S RESPONDS TO AN ALARM. POWER OFF → POWER ON
ALARM MODE	SOUND (BUILT-IN SPEAKER, DEFAULT ALARM AUDIO), DYNAMIC WARNING GRAPHICS FLASHING, INDICATOR FLASHING
JACKET COLOR	BLACK
PANEL COLOR	BLACK
DISPLAY PARAMETER	3.5-INCH LED HD COLOR SCREEN (480X320)
SCREEN INTERFACE	BATTERY STATUS, SENSITIVITY LEVEL, DYNAMIC DRONE ICON, CITY BACKGROUND, DYNAMIC ALARM ICON, DYNAMIC ALARM TEXT (DEFAULT ENGLISH)
PILOT LAMP	CHARGING LIGHT
PORT	2.4GHZ & 5GHZ ANTENNA CONNECTION 3.5MM STANDARD HEADPHONE JACK MICRO USB CHARGING PORT
OPERATING KEY	ON KEY: POWER ON, POWER OFF, MENU, MENU CONFIRMATION MUTE BUTTON: TURN ON AND TURN OFF THE SOUND WHEN AN ALARM IS GENERATED ADJUST KEY: ADJUST DETECTION SENSITIVITY, MENU SELECTION
WORKING POWER SUPPLY	BUILT-IN 5000MAH LARGE CAPACITY LITHIUM BATTERY, STANDBY TIME > 8 HOURS; CONNECT THE 5V POWER ADAPTER FOR LONG-TERM STANDBY
OPERATING TEMPERATURE	-10°C – +50°C

# FIVE REASONS TO **CHOOSE US**

01

## SUPER COST-EFFECTIVE, DUAL FREQUENCY DETECTION

THE CONSUMER DUAL-FREQUENCY DETECTOR CUSTOMIZED FOR CIVIL UAV BLACK FLIGHT PREVENTION AND CONTROL CAN DETECT MOST DUAL-FREQUENCY UAVS ON THE MARKET

02

## SIMPLE OPERATION AND SENSITIVE DETECTION

ONE KEY QUICK BOOT, AUTOMATIC DETECTION, EXTREMELY SIMPLE OPERATION, DETECTION IS VERY SENSITIVE, EFFECTIVE AND RAPID RESPONSE

03

## ULTRA-LIGHT AND PORTABLE, SPECIAL RUBBER SLEEVE

THE HOST IS SUPER LIGHTWEIGHT, EASY TO CARRY, AND EQUIPPED WITH A SPECIAL SHOCK-PROOF RUBBER SLEEVE TO EFFECTIVELY PROTECT THE HOST

04

## AUDIBLE AND VISUAL ALARM AND MONITORING DUTY

WHEN THE DRONE IS DETECTED, THE HIGH-DECIBEL ALARM AUDIO IS AUTOMATICALLY ISSUED, AND THE DYNAMIC GRAPHIC ALARM IS DISPLAYED. THE OPERATOR CAN CONNECT THE HEADSET TO MONITOR THE ALARM AUDIO ON DUTY TO AVOID DISTURBING THE SURROUNDING

05

## INDEPENDENT RESEARCH AND DEVELOPMENT, CUSTOMIZED SERVICES

FULLY INDEPENDENT DESIGN AND DEVELOPMENT, ACCORDING TO USER NEEDS TO CUSTOMIZE AUDIO, GRAPHIC EFFECTS, PROVIDE NON-STANDARD PRODUCT SELECTION CUSTOMIZATION SERVICES

# DETECTION RANGE

THE MAIN ENGINE IS EQUIPPED WITH TWO OMNIDIRECTIONAL SMALL ANTENNAS (2.4GHZ AND 5.8GHZ), THE EXTERNAL FIELD IS GENERALLY OPEN AND NON-INTERFERENCE ENVIRONMENT TEST, THE FLIGHT HEIGHT OF DJI - "YU" MAVIC-2 IS 100M, THE GROUND HANDHELD UAV DETECTOR CAN LOOK DIRECTLY AT THE UAV, AND THE AUTOMATIC ALARM DETECTION DISTANCE IS 1KM/2.4GHZ, 0.8KM/5.8GHZ.



# EXTEND THE DISTANCE

OMNIDIRECTIONAL: THE HOST IS EQUIPPED WITH A LOW GAIN OMNIDIRECTIONAL SMALL ANTENNA, SUCH AS AN EXTERNAL HIGH-GAIN LARGE-SIZE OMNIDIRECTIONAL ANTENNA (8-13DBI), WHICH CAN EFFECTIVELY EXPAND THE OMNIDIRECTIONAL DETECTION AREA. DIRECTIONAL: IF A HIGH-GAIN NARROW-BAND DIRECTIONAL ANTENNA IS CONNECTED, SUCH AS A PLATE ANTENNA (GAIN 11-18DBI), THE DETECTION RANGE WILL BE GREATLY INCREASED TO ACHIEVE DIRECTIONAL AREA SCREENING AND PREVENTION.





NOTE: GAIN INDICATES THE ABILITY OF THE ANTENNA TO RECEIVE SIGNALS. IN THE SAME FREQUENCY BAND, THE LARGER THE GAIN VALUE, THE STRONGER THE RECEIVING ABILITY, AND THE LARGER THE ANTENNA VOLUME. IF THE EXTERNAL HIGH-GAIN LARGE-SIZE ANTENNA IS CONNECTED, IT IS RECOMMENDED THAT THE TRIPOD BE SET UP TEMPORARILY OR AT FIXED POINTS.

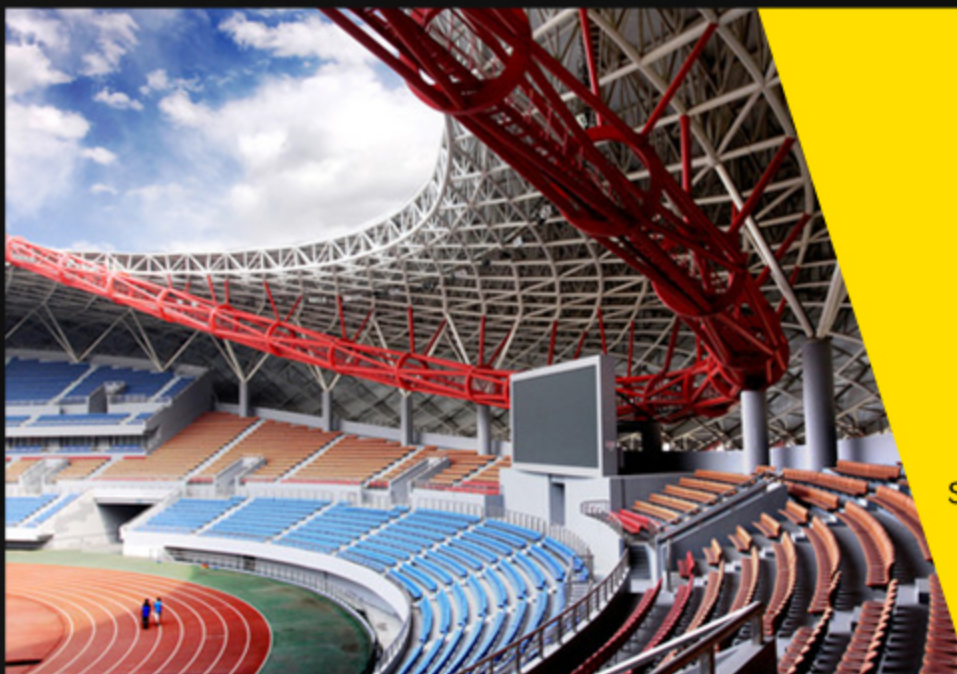
# TYPICAL APPLICATION

## PERSONAL PRIVACY, PRIVACY PROTECTION

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STEALTHIERS USE DRONES TO  
INVADE PRIVATE HOMES,  
LUXURY VILLAS,  
ENTERTAINMENT PARTIES, AND  
HOTELS TO TAKE PEEPING  
PHOTOS FOR BLACKMAIL;





## PROTECTION OF CLASSIFIED AREAS AND ACTIVITIES

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INFORMAL INSTITUTIONS USE  
DRONES TO INVADE SPORTS  
EVENTS, PERFORMING ARTS  
ACTIVITIES, COMMERCIAL  
SECRET, SECRET INSTITUTIONS,  
ARCHAEOLOGICAL  
EXCAVATIONS AND OTHER  
PLACES TO OBTAIN  
COMMERCIAL RETURNS;

## TEMPORARY MAJOR INCIDENT SITE AREA PROTECTION

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MILITANTS USE DRONES TO  
SECRETLY TAKE PHOTOS OF  
TEMPORARY MAJOR CRIME  
SCENES, MAJOR ACCIDENT  
SCENES AND OTHER  
UNOFFICIAL MALICIOUS  
PUBLICITY AND PUBLIC  
OPINION DISSEMINATION;





## **CRIME ATTACK AND PROTECTION**

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CRIMINALS USE DRONES TO TRANSPORT DRUGS, SMUGGLING AND OTHER ILLEGAL GOODS ACROSS BORDERS; SPIES USE DRONES TO DELIVER ILLEGALLY CLASSIFIED INFORMATION; USE OF DRONES TO TRANSPORT MATERIALS INSIDE AND OUTSIDE PRISONS;

# PRODUCT PACKAGING



