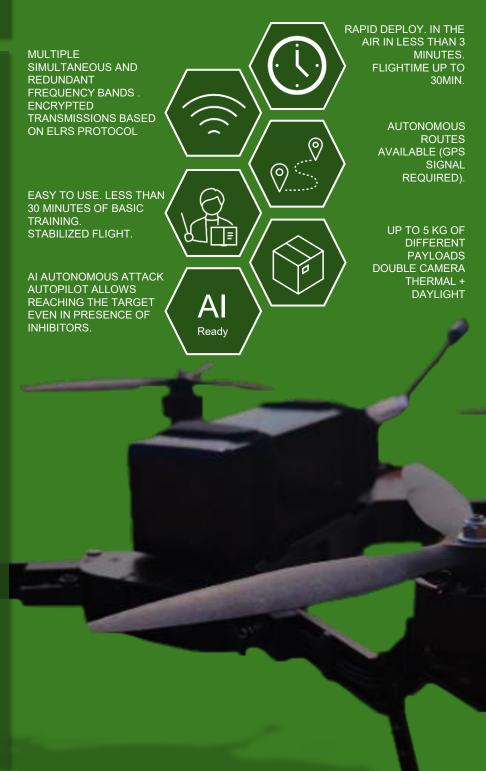


comercial@vimadglobal.es +34 91 630 10 90 The KM02-FT drone is a 15-inch foldable device that can be carried by one person and deployed in less than three minutes, making it a powerful tool on the battlefield for small units. It is intended to carry loads of up to 5kg at high speed and in any conditions. It features a reinforced aerospace aluminum structure and it is dust, fog and rain resistant.

This drone is the result of years of investigation and development based on the advances of the technology in the modern battlefields, and is involved in a process of continuous improvement.

# OLDING THERMAL VERSIO



Due to our research and continuous improvement system, the design may vary quickly.



# **KM-02** FOLDING THERMAL VERSION

### **DATA SHEET**

PRODUCT NAME	KM02 – FT					
GENERAL INFO						
TYPE:	MULTIROTOR (4 MOTORS)					
FRAME MAIN MATERIAL	AVIATION ALUMINUM					
PROTECTION LEVEL	WATERPROOF AND DUSTPROOF.					
LOAD CAPACITY:	RECOMENDED UP TO 5KG, MÁXIMUM 7KG (low speed)					
BLADE TYPE:	3 BLADES, 15 INCHES.					
MOTOR:	4714-580KV   4315 600KV					
RECOMMENDED BATTERY	8S 16000MAH for high weight payload transport   6s10000MAh for recon					
LOAD/SPEED/TIME	LOAD	V. MAX	HOVER TIME	FLIGHT RANGE		
	0kg	150Km/h	42min	29Km		
	3Kg	132Km/h	19min	15Km		
	4Kg	115Km/h	17min	12Km		
	8Kg	91Km/h	8min	6Km		

VIDEO			
CAMERA	DUAL (THERMAL + VISIBLE)		
VISIBLE CAMERA SPECS			
SENSOR	1/3" CMOS		
LENS	2.1mm		
CLARITY	1500 TVL		
THERMAL CAMERA SPECS			
TYPE	WITHOUT COOLING		
RESOLUTION	256x192		
MAX. APERTURE	1.0		
FOCAL LENGHT	9'7mm		
FIELD OF VIEW	18'2° (HOR) 12'6° (VER)		
REFRESH RATE	25HZ		
MINIMUN FOCUSING DISTANCE	2m		

## **KM-02** FOLDING THERMAL VERSION





VIDEO TRANSMISSION		
TRANSMITTER TYPE	ANALOGIC	
BAND	5'8Ghz (also available: 300Mhz, 500Mhz, 750Mhz, 915Mhz, 1'3GHz, 2'4Ghz, as an extra*)	
NUMBER OF FREQUENCIES	10	
POWER	From 0'1 to 1W	
RANGE	Up to 20Km	
ENCRIPTION	Available video encryption, as an extra	

CONTROL TRANSMISSION			
RX			
RECEPTOR TYPE	ANALOGIC		
BAND	915Mhz + 2'4Ghz (simultaneous and redundant system)		
PROTOCOL	PrivacyELRS (ELRS with encrypted data)		
ANTENNA	2 x Double T type antennas (2'4GHz and 915MHz simultaneusly)		
RANGE	Up to 20Km		
TX			
TYPE	COMMERCIAL, EASILY REPLACEABLE		
BAND	915Mhz + 2'4Ghz (simultaneous and redundant system)		
PROTOCOL	Gemini ELRS Crossband (with encryption)		
POWER	Adjustable, up to 1w		

### **EXTRA FEATURES AVAILABLE**

HIGH RESOLUTION THERMAL CAMERA

ANALOGIC VIDEO SIGNAL ENCRYPTION MODULE

UP TO 4 SIMULTANEOUS ANALOGYC CONTROL FREQUENCY BANDS

AI TERMINAL GUIDANCE MODULE

VIDEO DIGITAL TRANSMISION MODULE

PAYLOAD DROPPING SYSTEM

For other ad-hoc customizations, please ask.

For further details and customization, please contact: comercial@vimadglobal.es