



comercial@vimadglobal.es
+34 91 630 10 90

KM-02 FOLDING THERMAL VERSION

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 .

MULTIPLE
SIMULTANEOUS AND
REDUNDANT
FREQUENCY BANDS .
ENCRYPTED
TRANSMISSIONS BASED
ON ELRS PROTOCOL

EASY TO USE. LESS THAN
30 MINUTES OF BASIC
TRAINING.
STABILIZED FLIGHT.

AI AUTONOMOUS ATTACK
AUTOPILOT ALLOWS
REACHING THE TARGET
EVEN IN PRESENCE OF
INHIBITORS.



RAPID DEPLOY. IN THE
AIR IN LESS THAN 3
MINUTES.
FLIGHTIME UP TO
30MIN.

AUTONOMOUS
ROUTES
AVAILABLE (GPS
SIGNAL
REQUIRED).

UP TO 5 KG OF
DIFFERENT
PAYLOADS
DOUBLE CAMERA
THERMAL +
DAYLIGHT





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

comercial@vimadglobal.es
+34 91 630 10 90

KM-02 FOLDING THERMAL VERSION



DATA SHEET

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 simultaneously)
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
+34 91 630 10 90