



Drone Type	Model	Payload in Kg	Payload in lbs.	Max Flight Time in minutes	Max Flight Distance Km	Max Flight Distance Miles	Max Range for HD EO & IR Data in Miles	Max Speed m/s	Max Speed km/h	
Fixed Wing	XFWVTOL 1.0	2	4.4	900	1200	745		28	100	
	Ground Control Station						40	25		
	Extended Range, LOS Directional Antenna 30Km						450	280		
	EO/IR Camera C) IR Detect Human at 4km (15,000'), (EO x30 Zoom)	1.5	3.3							
	AFW 1.0	1.2	2.64	210	227	141		40	144	
	Ground Control Station (Tablet)						10	6		
	Ground Control Station (Dual Screen multi function)						35	22		
	Tablet or Ground Control Station SD EO Video feed only						100	62		
	Extended Range, LOS Directional Antenna 60Km						60	37		
	Extended Range, LOS Tracking Antenna 100Km						100	62		
	IR Camera X) IR Detect Human at 523m (1,717'), No EO	0.1	0.2							
	IR Camera Y) IR Detect Human at 656m (2,152'), 4K 56°FOV EO Camera	0.4	0.9							
	EO/IR Camera A) IR Detect Human at 897m (2,944'), (EO x20 Zoom)	0.75	1.7							
	XFWVTOL 1.0	1	2.2	150	100	62		28	100	
	Ground Control Station						40	25		
	Extended Range, LOS Directional Antenna 30Km						30	19		
	IR Camera X) IR Detect Human at 523m (1,717'), No EO	0.1	0.2							
	IR Camera Y) IR Detect Human at 656m (2,152'), 4K 56°FOV EO Camera	0.4	0.9							
Fixed Wing VTOL	Transranger DFWVTOL 1.0	1	2.2	(Fixed Wing) 120	100	62		28	100	
	Ground Control Station						10	6		
	Extended Range, LOS Directional Antenna 30Km						30	19		
	IR Camera X) IR Detect Human at 523m (1,717'), No EO	0.1	0.2							
	IR Camera Y) IR Detect Human at 656m (2,152'), 4K 56°FOV EO Camera	0.4	0.9							
	EO/IR Camera A) IR Detect Human at 897m (2944'), (EO x20 Zoom)	0.75	1.7							
	Transranger AFWVTOL 1.5	1.5	3.3	(Fixed Wing) 360	432	268				
	Transranger AFWVTOL 0.75	0.75	1.7	(Fixed Wing) 480	576	358		30	108	
	Ground Control Station						10	6		
	Extended Range, LOS Directional Antenna 65Km						65	40		
	Extended Range, LOS Tracking Antenna 100Km						100	62		
	EO/IR Camera A) IR Detect Human at 897m (2944'), (EO x20 Zoom)	0.75	1.7							
	EO/IR Camera B) IR Detect Human at 1.8Km (6000'), (EO x 20 Zoom)	0.35	0.8							
	EO/IR Camera C) IR Detect Human at 3km (10,000'), (EO x30 Zoom)	1.5	3.3							
	Multi Rotor Battery	HMRB15	15	33.0	30	27	17		15	54
HMRB20		20	44.0	20	18	11				
HMRB35		35	77.0	20	18	11				
HMRB45		45	99.0	20	18	11				
HMRB6.5		6.5	14.3	40	35	22				
HMRB4.5		4.5	9.9	40	35	22				
Standard Frsky HorusX12							1.5	1		
Connex Package (No need for GCS detailed below)							3	2		
Microhard & Bix Box Antenna							5	3		
Extended Range, LOS Directional Antenna 60Km							60	37		
Extended Range, LOS Tracking Antenna 100Km							100	62		
Hlink							12	7		
Ground Control Station										
EO/IR Camera A) IR Detect Human at 897m (2,944'), (EO x20 Zoom)		0.75	1.7							
EO/IR Camera B) IR Detect Human at 1.8Km (6,000'), (EO x 20 Zoom)		0.35	0.8							
EO/IR Camera C) IR Detect Human at 3km (10,000'), (EO x30 Zoom)		1.5	3.3							
Multi Rotor Gas Powered		PMRG1.0	1	2.2	240	185	115		16	57
		PMRG1.5	1.5	3.3	210	161	100			
	PMRG2.5	2.5	5.5	120	113	70				
	PMRG3.5	3.5	7.7	60	56	35				
	PMRG4.0	4	8.8	45	32	20				
	Standard						10	6		
	Microhard & Bix Box Antenna						5	3		
	Extended Range, LOS Directional Antenna 50Km						50	31		
	Extended Range, LOS Directional Antenna 60Km						60	37		
	Extended Range, LOS Tracking Antenna 100Km						100	62		
	Hlink						12	7		
	Ground Control Station									
	EO/IR Camera A) IR Detect Human at 897m (2,944'), (EO x20 Zoom)	0.75	1.7							
	EO/IR Camera B) IR Detect Human at 1.8Km (6,000'), (EO x 20 Zoom)	0.35	0.8							
	EO/IR Camera C) IR Detect Human at 3km (10,000'), (EO x30 Zoom)	1.5	3.3							
	EO/IR Camera Other Options Available	TBA	TBA							
	HMRG6.5	6.5	14.3	150	135	84		15	54	
	HMRG4.0	4.5	9.9	300	270	168				
	HMRG35	35	77.0	60	54	34				
	HMRG4.5	4.5	9.9	180	135	84				
	Standard Frsky HorusX12						1.5	1		
	Connex Package (No need for GCS detailed below)						3	2		
	Microhard & Big Box Antenna						5	3		
	Extended Range, LOS Directional Antenna 60Km						60	37		
Extended Range, LOS Tracking Antenna 100Km						100	62			
Hlink						12	7			
Ground Control Station										
EO/IR Camera A) IR Detect Human at 897m (2944'), (EO x20 Zoom)	0.75	1.7								
EO/IR Camera B) IR Detect Human at 1.8Km (6000'), (EO x 20 Zoom)	0.35	0.8								
EO/IR Camera C) IR Detect Human at 3km (10,000'), (EO x30 Zoom)	1.5	3.3								
EO/IR Camera Other Options Available	TBA	TBA								