

Item	Technical parameter	H520	
Aircraft	Weight	164kg/Without Gimbal	
	Wingtip Span	0.26m	
	Max Angular Velocity	120°/s	
	Max Ascend Speed	4m/s	
	Max Descent Speed	2.5m/s	
	Max Horizontal Speed	15.5m/s	
	Take-Off Height	100m	
	Max Takeoff Weight	6000m	
	Max Flight Time	28min	
	Battery	Lipo 6s 1250mAh	
	Charger	SC8000-4R	
	Exchange Time	2hours	
	Operating Frequency	433MHz ± 1.5m, 2.4GHz ± 0.5m	
	Operating Temperature	0°C-40°C	
Remote Controller	Operating System	Android	
	Operating Frequency	2.4GHz-2.480 GHz±0.5, 725-5.825 GHz	
	Max Transceiving Distance (Line-of-Sight)	1-6KM	
	Video Output Ports	HDMI, 2x USB-C, 1x 3.5mm	
	Video Output Ports	HDMI	
	Power Supply	Built-in LiPo Battery	
	USB Supported	Yes	
	Work in Screen Size	7 inch	
	Video Link Resolution	720P	
	Operating Temperature	0°C-40°C / 32 degrees to 104 degrees F	
	Battery	3.6V 950mAh 3.1, 32Wh Li-Ion	
Forward Obstacle Avoidance	Sensor	Ultrasonic Sensor	
	Height of Obstacle	4m/s	
	Height of Obstacle	Height > 1.5m, Distance to Obstacle < 1m	
Payload	Parameters	ES0	E90
General	Dimensions	115x80x130 mm	115x80x130 mm
	Weight	275g	252g
	Operating Temperature	-10 ~ 40 °C	-10 ~ 40 °C
Camera	Sensor	CMOS 1/2.3" Effective Pixels:12MP	CMOS 1" Effective Pixels:20MP
	Lens	FOV58° F/2.4, 4.0mm format equivalent	FOV 91° F/2.8, 2.3mm format equivalent
	Photo Resolutions	4.3, 4000x3000	3.2, 5472x3648
	Video Resolutions	UHD: 4K (4096x2160) 24/25p 4K (3840x2160) 24/25/30p FHD: 1920x1080 24/25/30/48/50/60/120p	H.264 4096x2160(24/30/48/60p) 3840x2160(24/30/48/60p) 2720x1530(24/30/48/60p) 1920x1080(24/30/48/60/120p) 1280x720(24/30/48/60/120p) HEVC 4096x2160(24/30p) 3840x2160(24/30p) 2720x1530(24/30/48/60p) 1920x1080(24/30/48/60/120p)
	Photo Formats	JPG, DNG, JEG+DNG	JPG, JEG+DNG
	Video Formats	MP4	MP4
	Photography Modes	Single Shot	Single Shot
	Exposure Modes	Auto Exposure, Manual Exposure	Auto Exposure, Manual Exposure
	Exposure Compensation	±2.0	±3.0
	Metering Modes	Metering_Center Metering_Average Metering	Metering_Center Metering_Average Metering
	Exposure Shutter Speed	4-1/8000s	4-1/8000s
White Balance	lock, Sunny, Cloudy, Automatic, Fluorescent, Incandescent, Sunset	lock, Sunny, Cloudy, Automatic, Fluorescent, Incandescent, Sunset	
Gimbal	ISO Range	100-3200	100 = 6400
	Maximal Tiltation Range (Manual)	±0.03°	±0.02°
	Max Angular Velocity	Detachable	Detachable
	Rolling	18-157°/s, Pan:120°/s	18-157°/s, Pan:120°/s
	Controlable Range	Tilt: +15° to -90°, Pan: 360°	Tilt: +15° to -90°, Pan: 360°
Payload	Parameters	CGOET	
General	Weight	275g	
	Wingtip Span	0.26m	
Gimbal	Controlable Range	Pitch: -90° to 15° Yaw: ±180°	
	Max Angular Velocity	18-157°/s, Pan:120°/s	
	Operating Temperature	-10 ~ 65 °C	
	Wingtip Pan	71°	
	Horizontal Pan	56°	
Infrared Part	Sensitivity	< 50mk	
	Pixel Pitch	12um	
	Effective Imageright Range	8-14km	
	Resolution	800	
	Photo Formats	JPG, TIFF, RAW, Original	
	Video Formats	MP4	
Infrared Part	Exposure Compensation	Auto	
	Temperature Measurement Range	-80 °C-180 °C	
Optical Part	Rolling	180°	
	Wingtip Pan	100-12000	
	ISO Range	150-18000s	
	Video Resolutions	1020*1080p 30fps	
	Photo Formats	JPG	
	Video Formats	MP4	