

# Yuneec 3DR H520-G

Secure, end-to-end UAS solution for U.S. government projects



H520-G hexacopter with E90 ground station, ST10C controller, and Site Scan flight station iOS app

## H520-G at a glance:



Final assembly in the U.S. under TAA guidelines



Best-in-class data security for U.S. government agencies and contractors



Based on open source Dronecode PX4 autopilot software



Works exclusively with 3DR Site Scan and Site Scan — Esri Edition

## What's included:

- H520-G hexacopter
- E90 camera
- Car charger, adapter, SD card
- DY5 dual smart charger
- ST10C controller
- Propeller pairs
- SC400-4H balancing smart charger
- Pelican case
- 4 batteries
- iPad mini holder
- 1 year full warranty for unlimited repairs
- 1 vehicle tune up per year

**\$5,999 USD for full package**

# Yuneec 3DR H520-G Technical Specifications

## Aircraft — Yuneec 3DR H520-G

Flight time	Up to 28 minutes (depending on payload weight)
Size	520x457x310 mm
Airframe Weight	1645g
Battery	LiPo
Battery capacity & voltage	5250mAh 4S/15.2V (79.8Wh)
Charger	SC4000-4H
Transmitter	ST10C Ground Station
Maximum flying height (relative altitude)	500m
Maximum rotation rate	120 deg/s
Maximum roll angle	35 degrees
Maximum climbing speed	4m/s
Maximum horizontal speed (Manual mode)	17m/s (38mph)
Maximum horizontal speed (Angle mode)	13.5m/s (30mph)
Maximum descending speed	2.5m/s

## Ground Station — ST10C Controller

Compatible with	iOS iPad with iOS 10.0+ using Lightning USB cable
Video and command link	5.8 GHz WiFi
RC transmitter link	2.4 GHz RC
Control transmission distance (optimal conditions)	Up to 1.6km/1 mile
Live feed video output	HDMI

## Camera — Yuneec E90

Weight	350g
Focal length	23mm
Color sensitivity	RGB
Compression bit rate	100Mbps
Compression type	AVC/HEVC
Digital noise reduction	2D filter
Effective pixels	20 megapixels
Elements	7G2P
View field	DFOV 91
Frame rate	24/25/30/48/50/60/120
FSTOP range	F2.8
Gimbal axes	3
Angular vibration range	± 0.02°
Maximum control range	TILT: -90° - 15° / PAN: 360° limitless
Maximum control speed	TILT: 30°/s / PAN: 120°/s
ISO range	100 - 6400
Video resolution	4K 60FPS
MTF	104lp/mm / CENTER: 0.6 / CORNER 0.4
Sensor size	1 inch CMOS
Shutter speed	1/8000s - 4s
Shutter type	Rolling
SD card	Class 10 u3 min. 90 Mbit/s
SNR	ISO100, SNR 36db
Storage temperature	-10°C - 50°C
Operating temperature	-10°C - 40°C