Drone components list for STM32 drone programming from scratch online cousre created by M-HIVE

https://www.udemy.com/course/stm32cubeide-stm32f4-drone-development/?referralCode=C00F1C0262B5D55F5EBE
https://www.youtube.com/playlist?list=PLUaCOzp6U-RpF4lXNf3MblOrfQL2mDgXn

Please contact us via e-mail to buy MH-FC V2.2 for STM32 drone programming course until website launch.   mhive1002@naver.com

UPDATE: Feb 21. 2023

	Part	Part number	Manufacturer	Description	Unit price	Qty	Sub total	Option	URL
1	Flight controller	MH-FC V2.2	M-HIVE	FC for drone programming course	$ 220.00	1	$ 220.00	Contact us via e-mail until website launch	mhive1002@naver.com
2	Frame	QAV210		Carbon fiber 210 frame	$ 19.46	1	$ 19.46	Option3 (BEC included)	https://www.aliexpress.com/item/32506001140.html
3	BEC	MATEK PDB 3-4S 5V 12V	MATEK	Power Distribution Board	$ -	1	$ -	Included in frame kit above	
4	BLDC motor	MT2204 2300KV CW, CCW	ReadyToSky	1lot / 4pcs	$ 19.74	1	$ 19.74		https://www.aliexpress.com/item/32540706520.html
5	ESC	BLHeli_s OPTO 2-6S 30A supports Mulitishot Oneshot	LITTLEBEE		$ 25.85	1	$ 25.85	Option 4PCS	https://www.aliexpress.com/item/32738195790.html
6	Propeller	5045 3 blades CW, CCW			$ 14.32	1	$ 14.32	Select two colors 6+6 paris (Extra prop needed)	https://www.aliexpress.com/item/32677833621.html
7	Anti-vibration screws	M3*7mm		Anti-Vibration	$ 4.51	1	$ 4.51	Option 8PCS	https://www.aliexpress.com/item/32963725532.html
8	Transmitter & Receiver	FS-i6 Mode2 (Left throttle) & FS-iA6B	Flysky	Radio controller	$ 43.45	1	$ 43.45	Option2. Mode2 With iA6B (Mode2 Left throttle)	https://www.aliexpress.com/item/32892186713.html
9	GPS	NEO M8N	UBLOX	Outdoor position	$ 22.49	1	$ 22.49	Select one of option 1,2 (Stand included)	https://www.aliexpress.com/item/3237071478 7.html
10	Radio transceiver	HolyBro Telemetry 100mW 433MHz 915MHz	HolyBro	Radio data communication	$ 57.20	1	$ 57.20	Select one of 433MHz and 915MHz	https://www.aliexpress.com/item/1005003621338869.html
11	Battery charger	Original SKYRC IMAX B6 V2	SKYRC	Lipo battery charger	$ 37.57	1	$ 37.57	Select available socket standard in your country	https://www.aliexpress.com/item/32785914762.html
12	Propeller guard	5inch 4pcs			$ 3.38	1	$ 3.38	Option 5inch	https://www.aliexpress.com/item/32717569402.html
13	Li-po battery	3S 1500mAh~1800mAh higher than 30C discharge rate	any	Power source	$ 15.83	1	$ 15.83	Select XT60 or SY60	https://www.aliexpress.com/item/33002320717.html

Total amount $ 483.80 Any additional fee not included. The unit price may vary depending on the date or delivery location.

※ All of the above parts were selected considering the low price as the top priority.
Because the goal of the STM32 drone programming course is to develop a high performance drone with low-cost parts.

※ The radio transceiver that is inexpensive and compatible with the video course is selected. However, the connector must be replaced.
Connectors that need to be replaced are included with MH-FC V2.2 (JST 1.25mm 5pin connector). Visit the webpage below for replacement method.
It's written in Korean language but you can understand with pictures   https://cafe.naver.com/mhiveacademy/1157

※ When purchasing a battery, be sure to check whether the connector type is XT-60 or SY-60!
※ Battery delivery may not be possible due to the risk of explosion. It is recommended to purchase in your country.
※ There are various manufacturers of batteries, so you can buy anything with 3 cell 11.1V 1500~1800mAh 30C or higher.
** If the capacity (mAh) increases, the volume increases, so there may be no space to mount the GPS,**
** and the weight also increases, so the flight time does not become longer than expected, so choose an appropriate capacity.**
※ M-HIVE is not responsible for any product defects. Contact the seller if products have defects.

XT-60   SY-60
Both are Ok