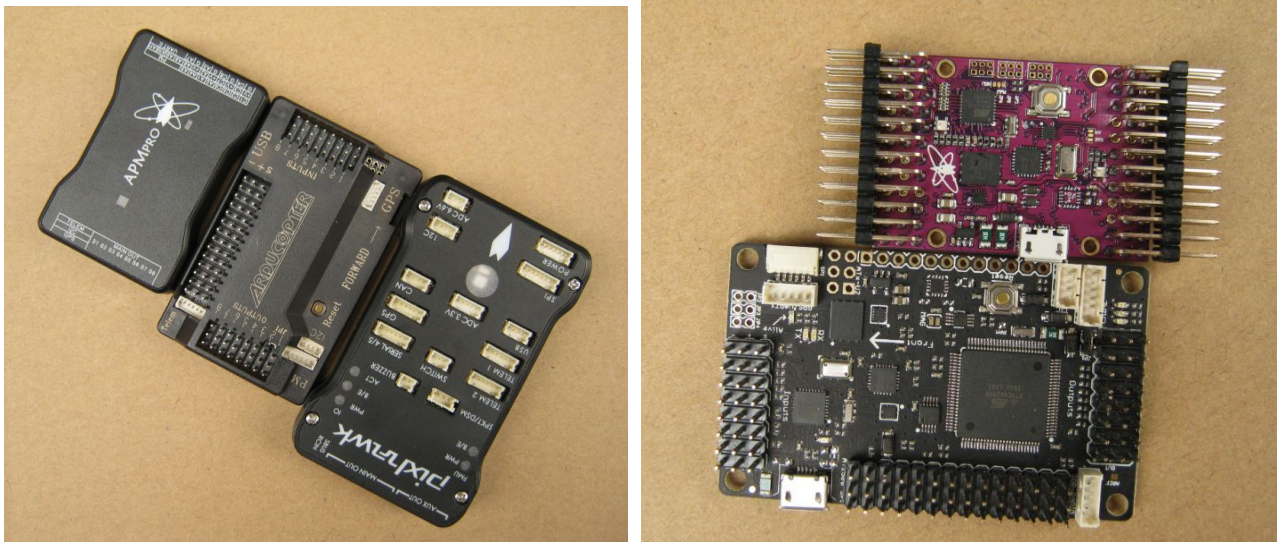


## APM Pro Description

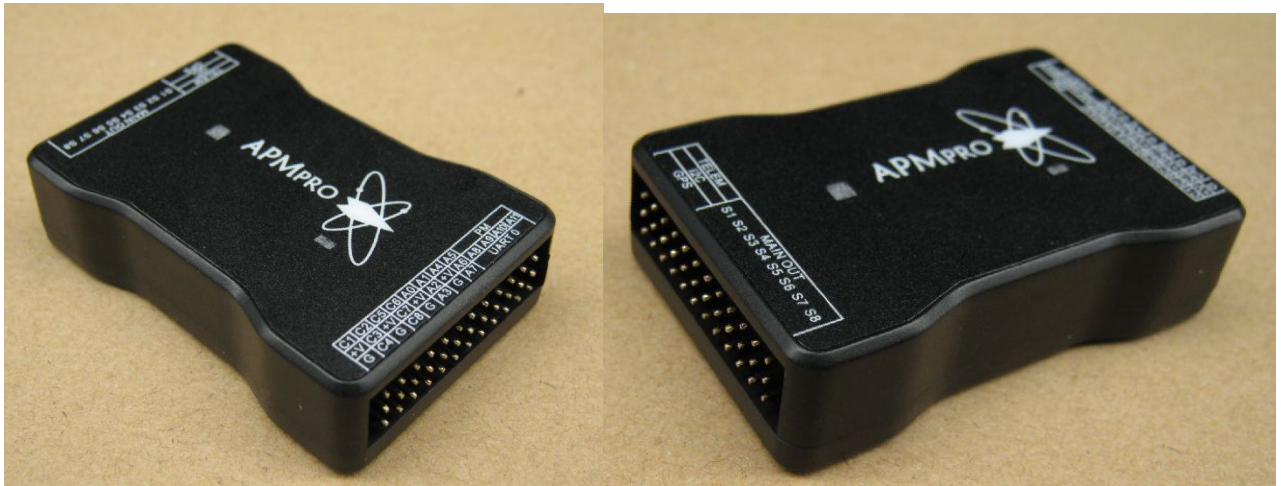
APM Pro is the new generation of APM2.6, keeps all functions of original APM, and all interfaces are designed on the two sides of the APM, size is smaller

Size: **60 X 38 X 14 MM**, impact interior structure, 20% smaller than standard APM version. No shell version is 50% smaller than standard one.

**APM Pro APM2.6 Pixhawk 2.4.6 comparison view:**



**Buy Link:** [APM PRO New Mini APM Flight Control](#)



### Improvements made on the basis of original 2.6

- 3.3V LDO is easy to be burnt down, so it is changed to the imported large current LDO, support continuously output 500MA high performance power supply
- Two diodes are changed to PMEG2005 super low differential voltage dynatron
- 22UF/16V capacitor

- All interfaces are designed at the two sides
- Two individual RGB colorful light
- Compression version PWM input, it only needs 4 servo cables to realize 8 channels PWM

Pins definition after modifications:

前  
↑  
后

C1	C2	C5	C6	A0	A1	A4	A5	PM			
+V	C3	+V	C7	+V	A2	+V	A6	A8	A9	A10	A11
G	C4	G	C8	G	A3	G	A7	UART0			
CH1	CH2	CH5	CH6	A0	A1	A4	A5	GND	5VIN	VDL	CUR
VCC	CH3	VCC	CH7	VCC	A2	VCC	A6	A8	A9	A10	A11
GND	CH4	GND	CH8	GND	A3	GND	A7	GND	5V	UORX	UOTX

接收机输入	A0-A11 AUX-OUT	电源输入
		3DR数传或OSD

上  
中  
下

TELEM	MAIN OUT							
I2C	S1	S2	S3	S4	S5	S6	S7	S8
GPS								

TX	RX	VCC	GND	S1	S2	S3	S4	S5	S6	S7	S8
SCL	SDA	VCC	GND	V1	V2	V3	V4	V5	V6	V7	V8
U1TX	U1RX	VCC	GND	G1	G2	G3	G4	G5	G6	G7	G8

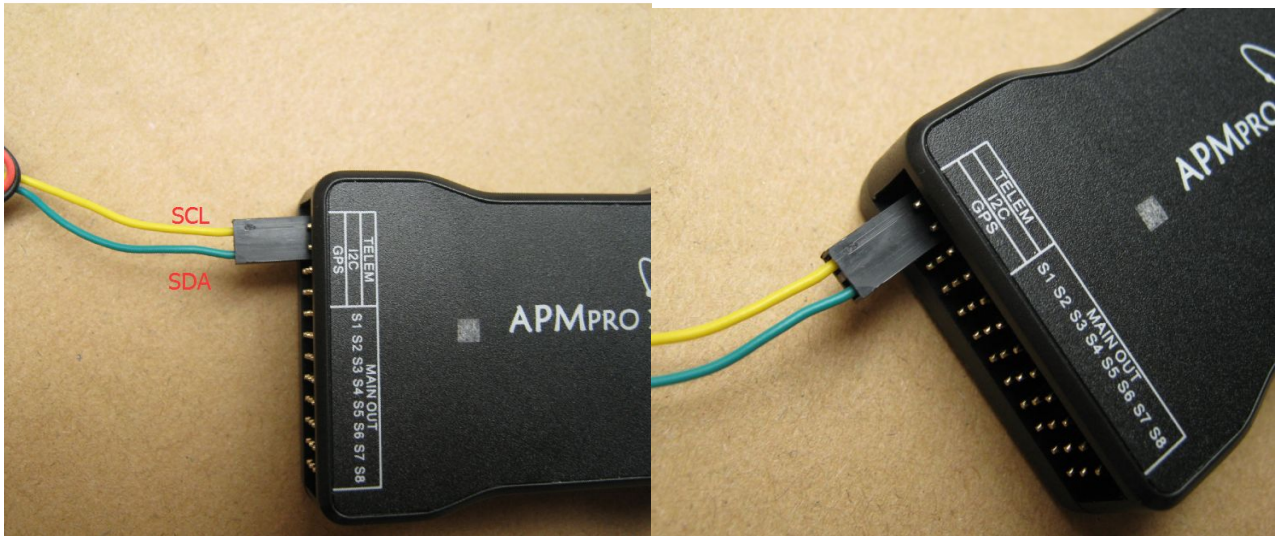
  

3DR数传或OSD	电机输出
罗盘	
GPS导航	

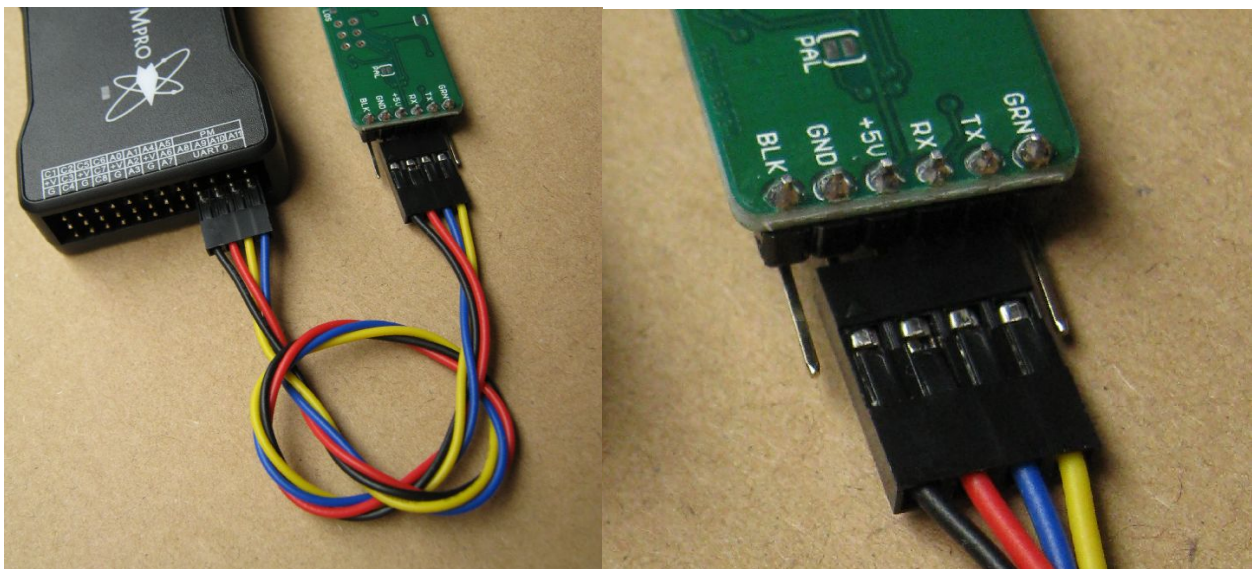
上  
中  
下



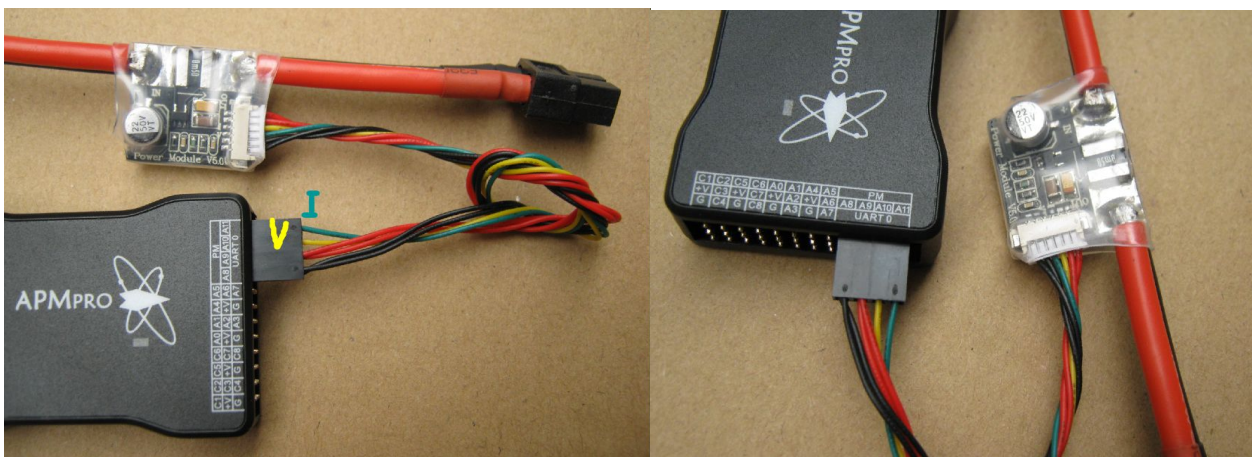
External compass, IC interface(MAG)



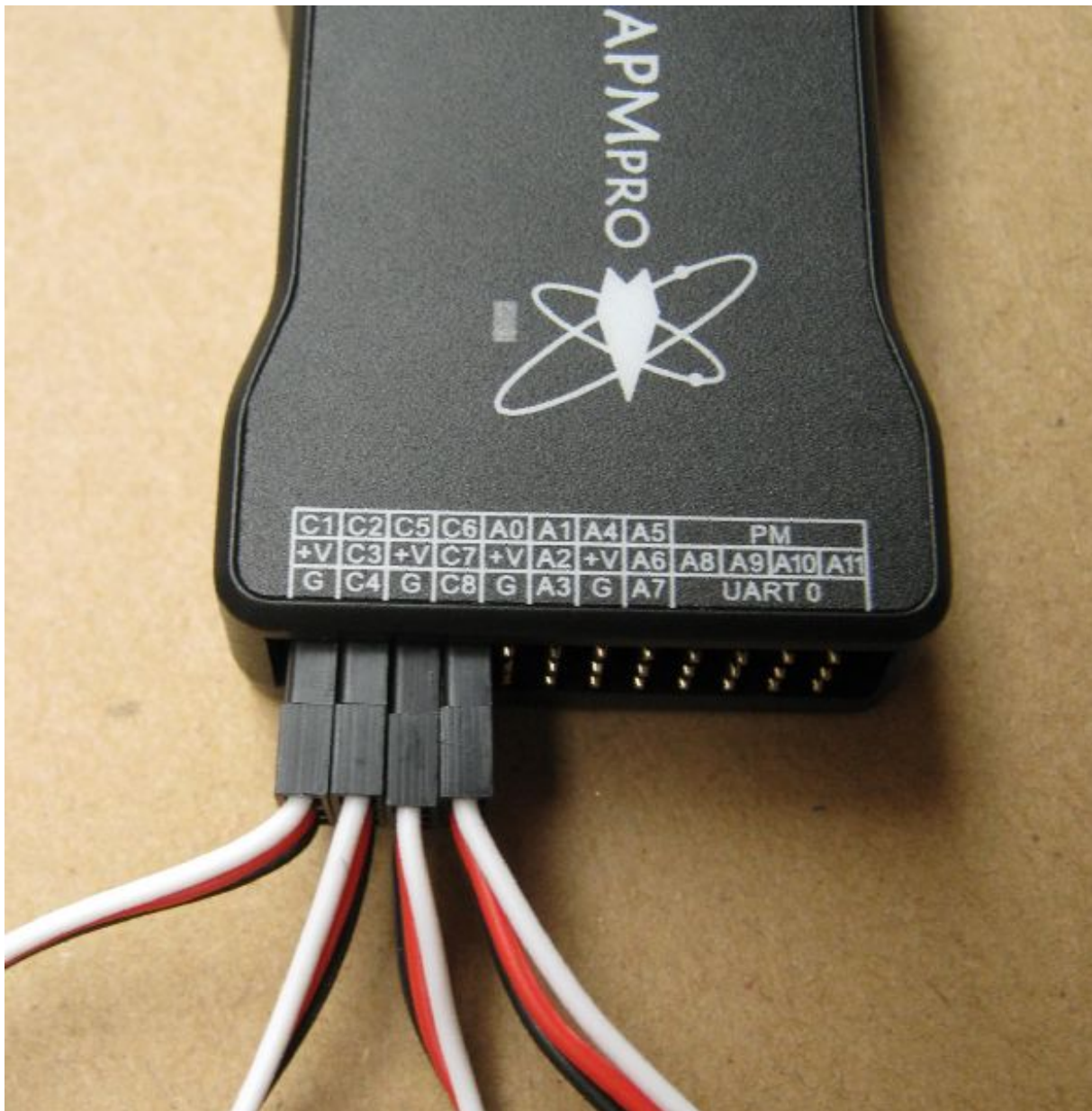
Mini OSD interface



PM voltage current meter interface(Power Molde)



Remote control input, PPM PWM input interfaces



**Interfaces definition:**

**C1:** PWM CH1 IN                      **A0--A11**    analog output interface

**+V:** PWM Power+

**G:** PWM Power GND

**C2:** PWM CH2 IN

**C3** PWM CH3 IN

**C4** PWM CH4 IN

**MAIN OUT:**

**S1:** motor signal 1

**S2:** motor signal 2

**S3:** motor signal 3

C5	PWM	CH5 IN (PPM IN)	S4: motor signal	4
C6	PWM	CH6 IN	S5: motor signal	5
C7	PWM	CH7 IN	S6: motor signal	6
C8	PWM	CH8 IN	S7: motor signal	7
			S8: motor signal	8

### APMpro飞控三视图及端口接线说明



#### 前排插针从上到下依次说明

C1	C2	C5	C6	A0	A1	A4	A5	PM		
+V	C3	+V	C7	+V	A2	+V	A6	A8	A9	A10/A11
G	C4	G	C8	G	A3	G	A7	UART0		
CH1	CH2	CH3	CH4	GND	CH5	CH6	CH7	GND	CH8	CH9
VCC	CH1	VCC	CH7	VCC	A2	VCC	A6	VCC	A8	A10/A11
GND	CH4	GND	CH8	GND	A3	GND	A7	GND	SV	UORX
接收机输入			A0-A11 AUX-OUT				电源输入			
							3DR数据或OSD			

上  
中  
下

#### 后排插针从上到下依次说明

TELEM		MAIN OUT							
I2C		S1	S2	S3	S4	S5	S6	S7	S8
GPS									
TX	RX	VCC	GND	V1	V2	V3	V4	V5	V6
SCL	SDA	VCC	GND	V7	V8	V9	V10	V11	V12
U1TX	U1RX	VCC	GND	G1	G2	G3	G4	G5	G6
3DR数据或OSD		电机输出							
罗盘									
GPS导航									

上  
中  
下