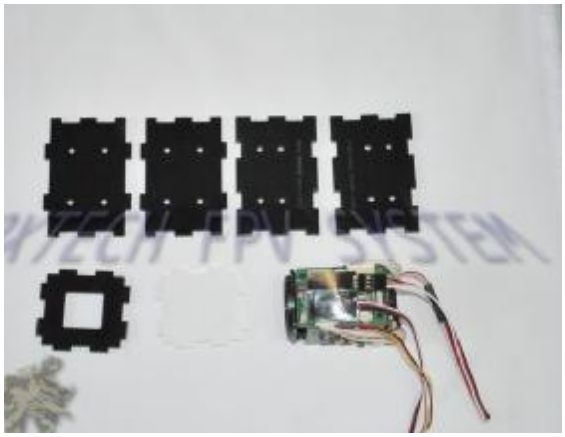
FOXTECH FPV SYSTEM

Product Specifications

Production：10X　ZOOM CAMERA
Model：FH-10Z
Main characteristics：

a、Excellent overall performance，Clear bright picture.
b、Dimensions：56.2 mm(L)×38.5 mm(W)×32 mm(H).
c、Selectable by OSD manual.
d、Suitable for different indoor and outdoor environment.



Specification：

IMAGE　SENSOR		1/4-inch　CCD　Image　Sensor	
NUMBER OF PIXEL		NTSC：811（H）×508（V）	PAL：795（H）×596（V）
PICTURE ELEMENTS		NTSC：768（H）×494（V）	PAL：752（H）×582（V）
SCANNING SYSTEM		NTSC ： 525 lines, 60 fields/sec	PAL ： 625 lines, 50 fields/sec
SYNC SYSTEM		Internal/ VD-Lock	
MINIMUM ILLUMINATION	Typical	0.5 Lux　(F1.8, 5600ºK)　50IRE	
	Star light Mode	0.07Lux　(F1.8, 5600ºK)　50IRE	
RESOLUTION		540TVL	
S / N　RATIO		48dB (MIN) / 52dB (TYP)　(AGC OFF，r=1，APC OFF，Y-OUT)	
WHITE BALANCE		ATW / AWB / FIX (Zero color rolling)	
WHITE BALANCE RANGE		3200 ~ 9600 ºK	
B.L.C. FUNCTION		Super BLC,48 zone BLC	
GAMMA CORRECTION		0.45 /1	
AGC		AUTO (18dB max)	
ALC		AUTO / FIX	
IMAGE NEGATIVE		Select by OSD menu	
MONTION DETECT		48 zone　(select by OSD)	
ELECTRONIC SHUTTER		AES : 1/60(1/50) ~ 1/120,000 sec.　/　MANUAL : 8 step	
LENS		10X Optical ZOOM LENS ,F1.8(W)~2.9(T),f=4.2mm(W)~42mm(T)	
ZOOM		100X　(10X Optical 10X Digital)	
FOCUS		Auto / Manual	
POSITION		64 Position　(Zoom，Focus)	
VIDEO OUTPUT		Composite & Y/C output 1.0Vp-p at 75 ohm	
CONTROL FUNCTION		Dry Switch ,RS-232C/RS485 (Drive option) , OSD control	
OSD LANGUAGE SELECT		ENGLISH / CHINESS_Simp / JAPANESE	

＊The specifications and appearance of the product may changed without notice.

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How to use:

Learn the following installation guide, and upon completion, feed the cam with 12V DC in the way as described below, and connect the servo head of zoom controller to one proportional channel on the RC receiver, assign a 3-stage switch on your radio to such channel. When the controller is powered up, the red light will flash, move your switch stick up and down , so the controller will memorize the maximum up and down position of this channel. When the 3-stage switch is in the middle, the cam will be in HOLD mode; when you move the switch up or down, the cam will zoom in or out. Turn the switch back to middle position to stop zooming.

Installation Guide:

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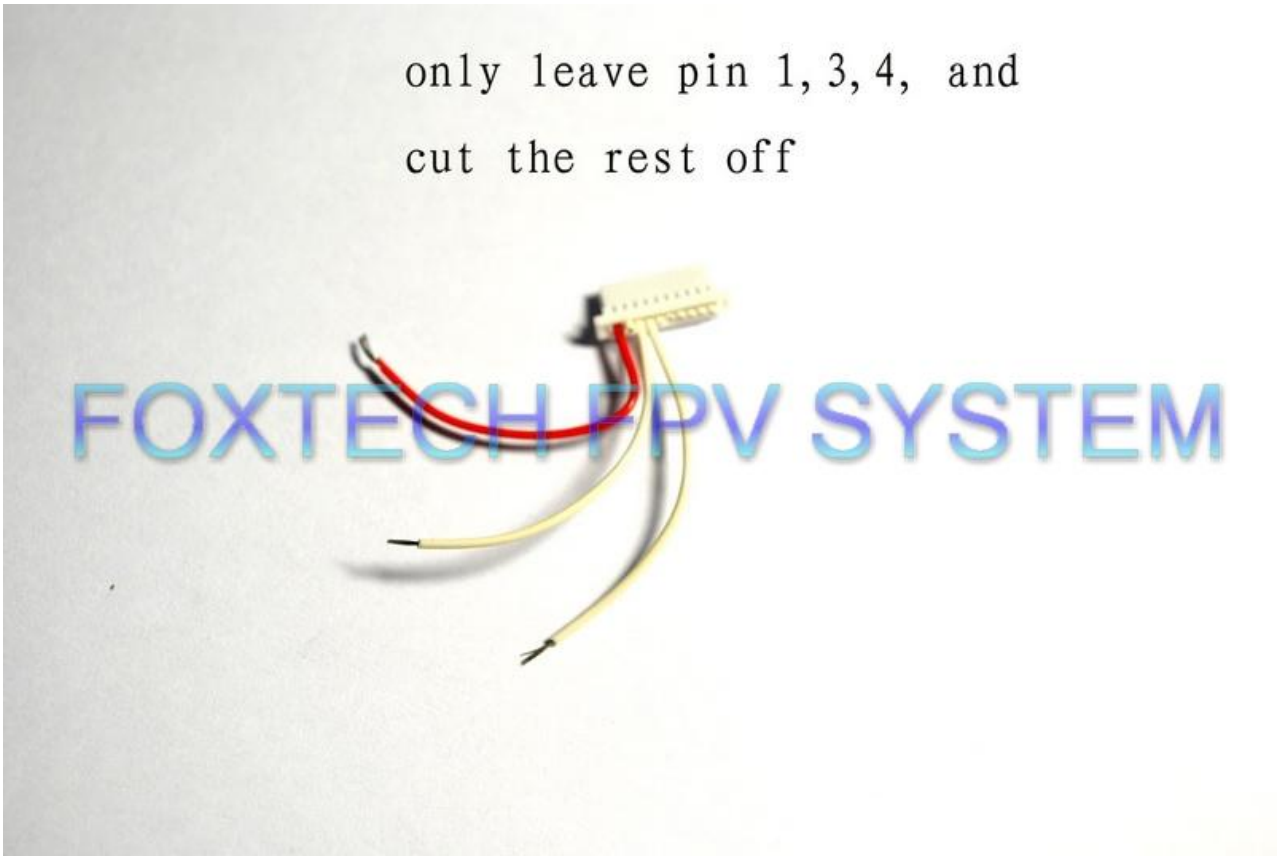

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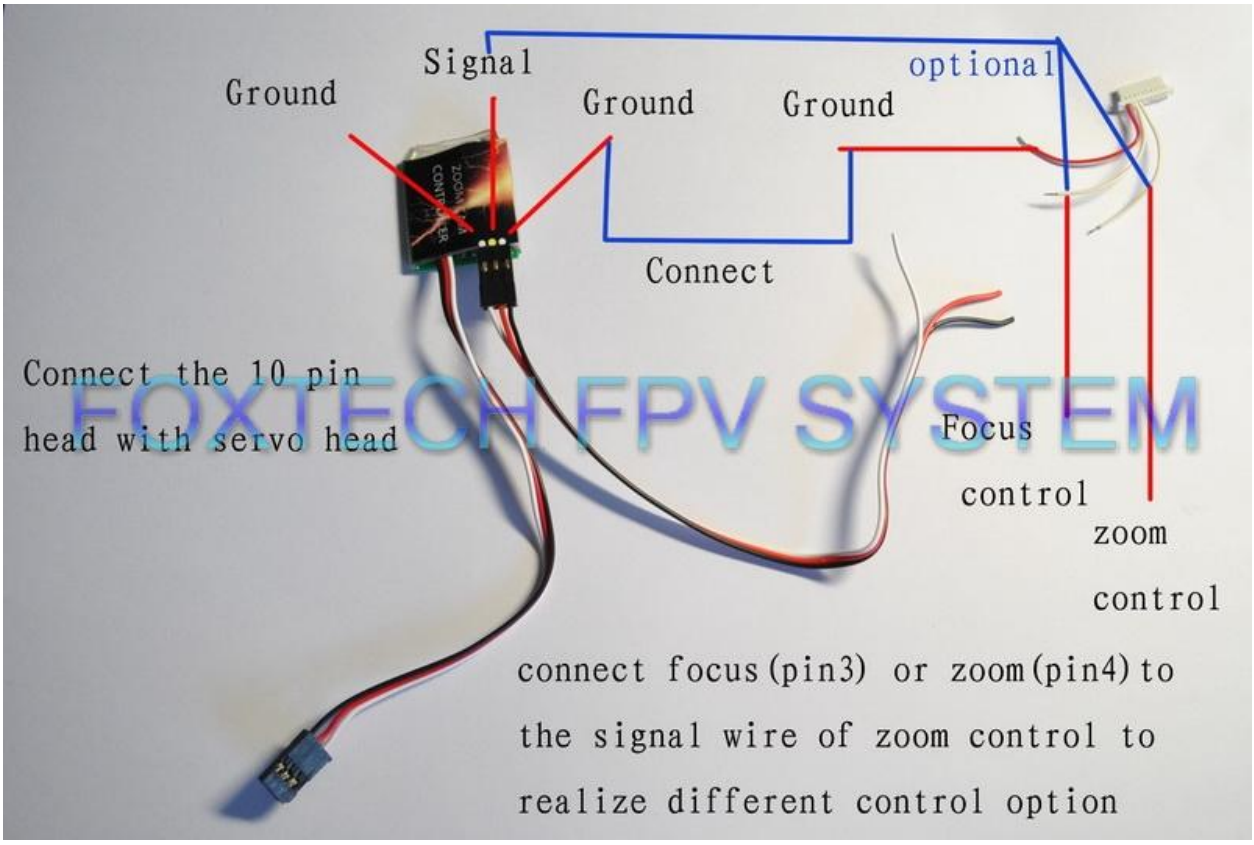

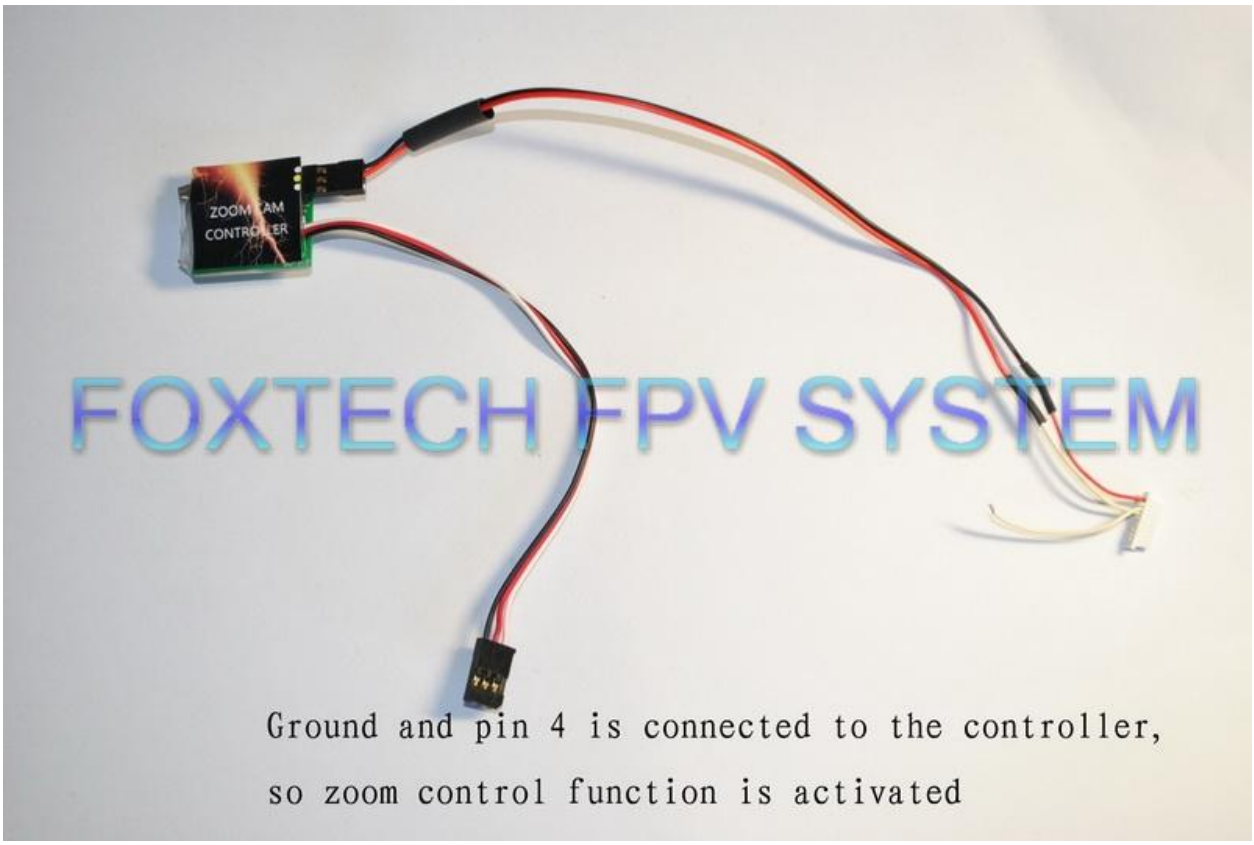

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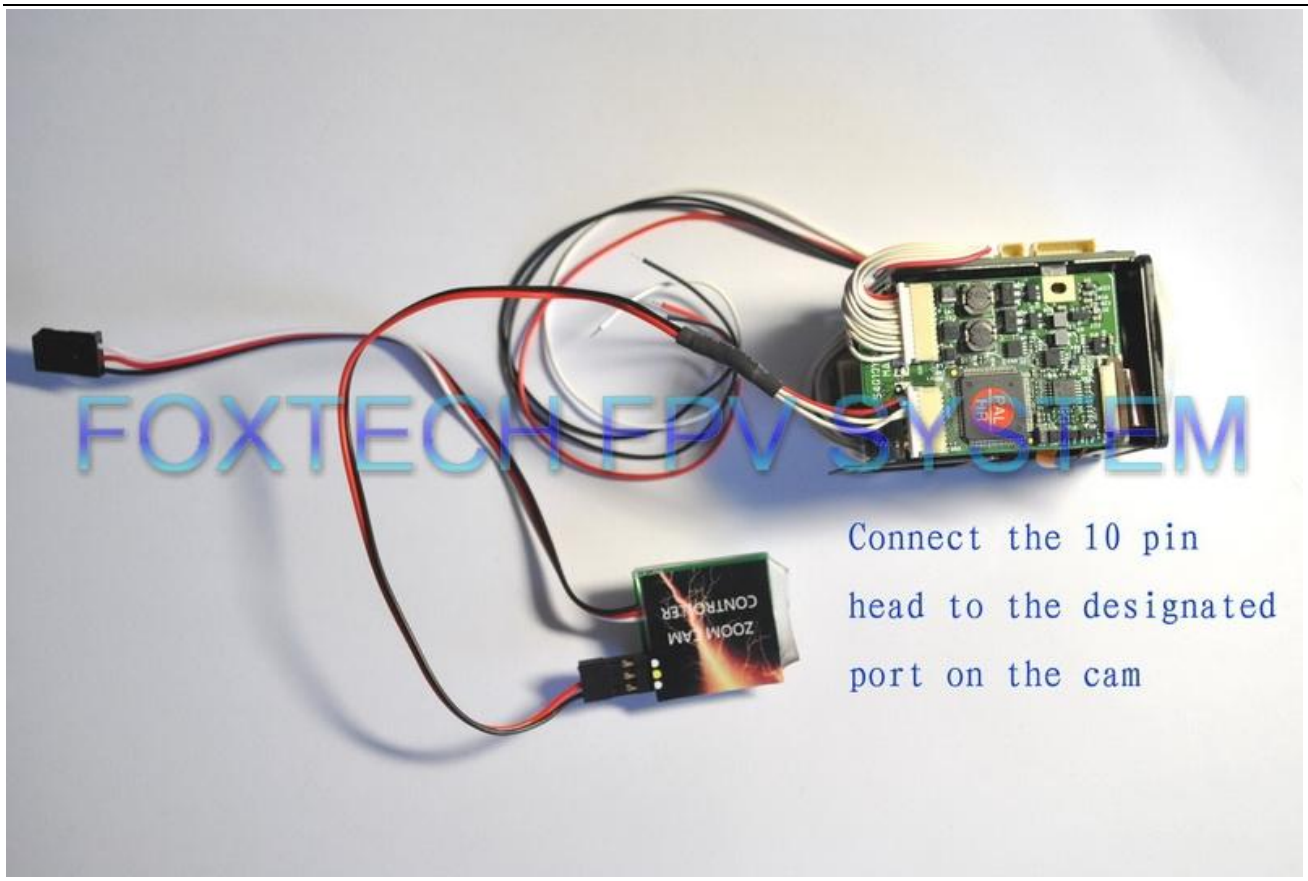

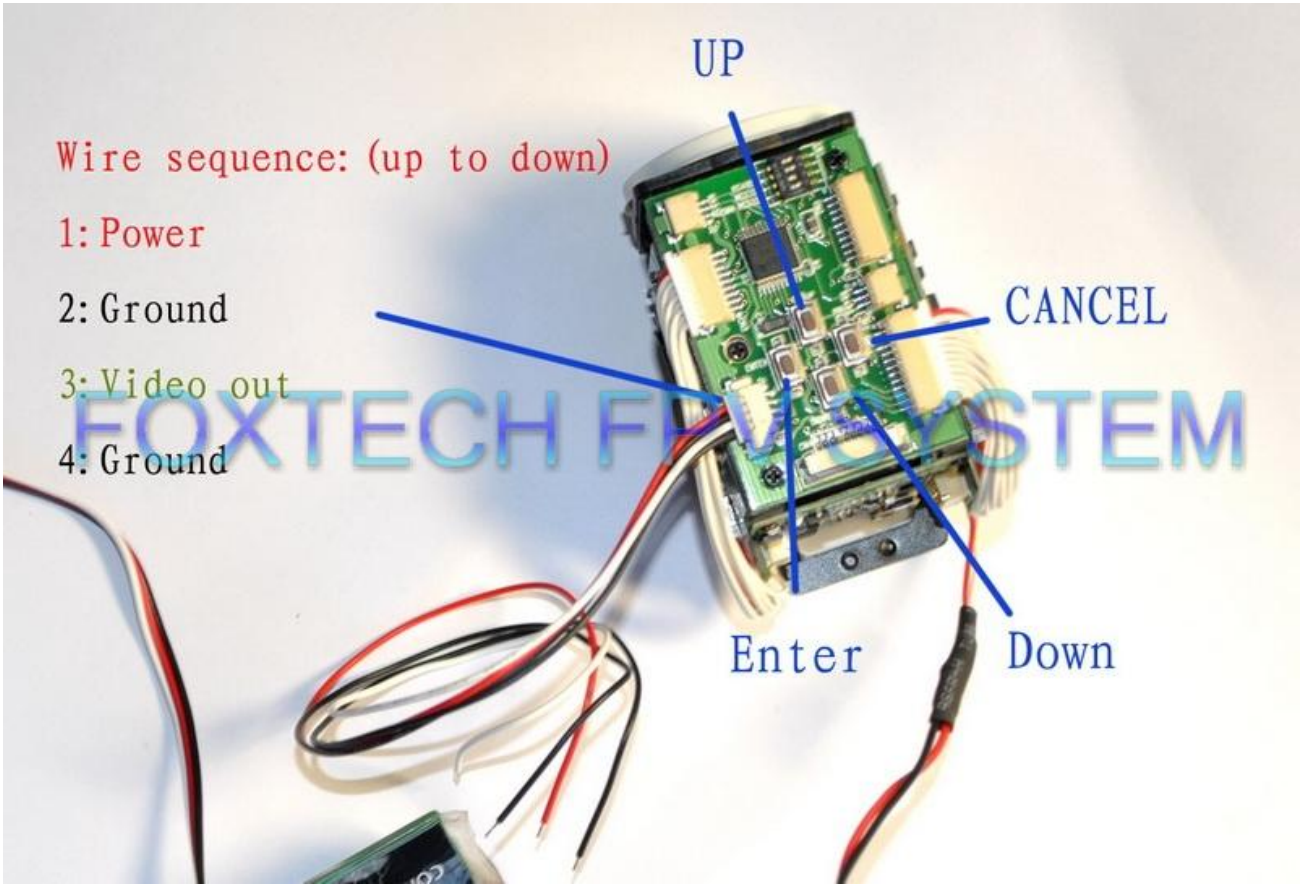

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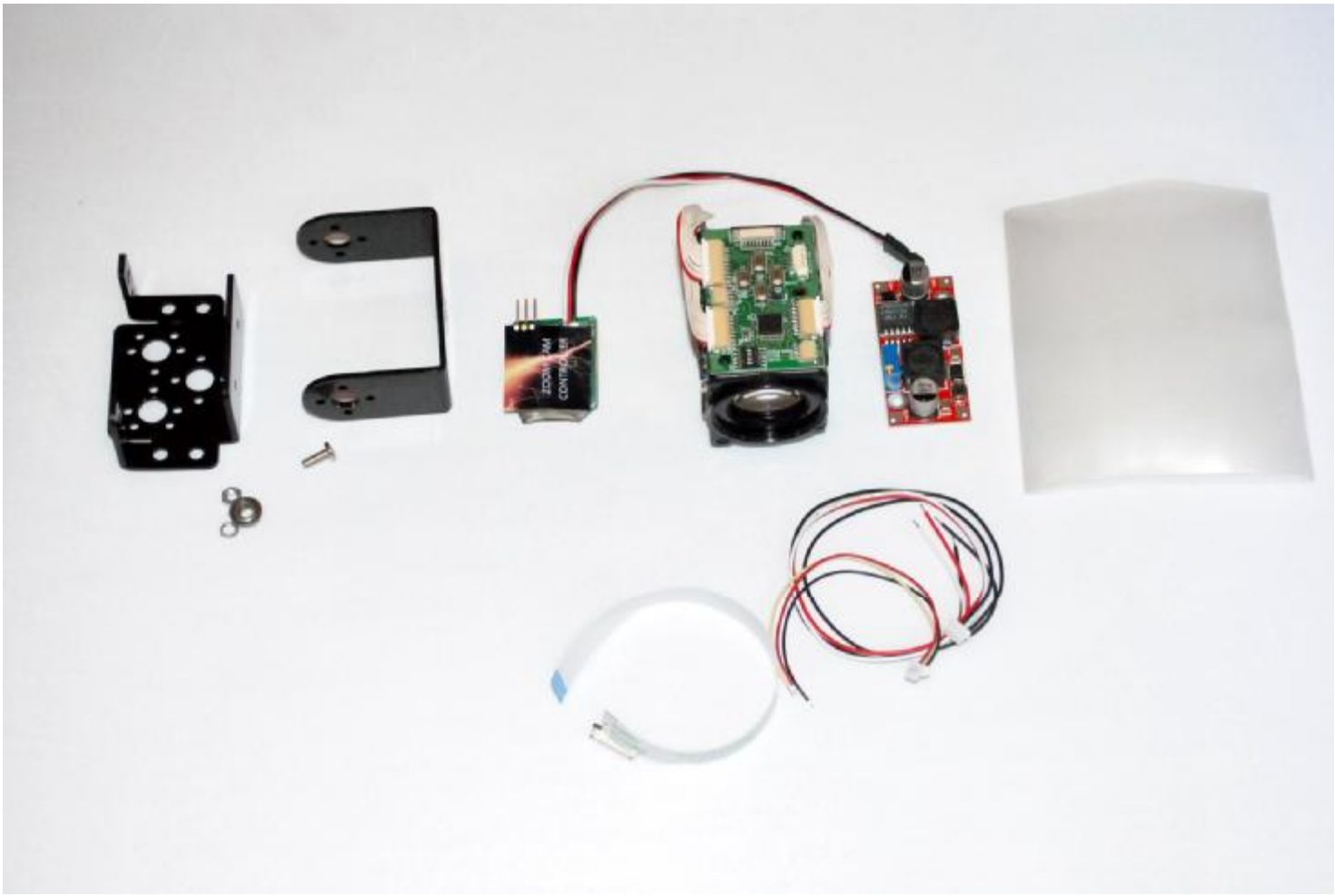
NOTE: The cam require minimum operation voltage of 10V , so you may need to add a step-up regulator or use other method to keep the input voltage higher than 10V. e.g. use a 4S lipo battery, then use a step down regulator.

It’s strongly suggested to use an all-purpose automatic step-up-down regulator for the cam to maintain its 12V operational voltage, the regulator namely FH—universal v-reg shown as below need to be purchased separately.



This picture shows zoom cam, its controller, universal v-reg, strong aluminum pan/tilt and clear heat shrink. Pan/tilt and v-reg are optional.