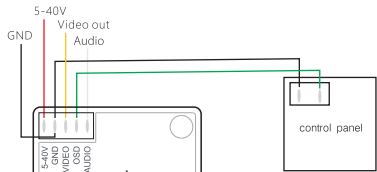


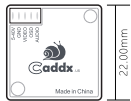
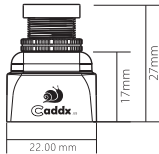
## Connection

\*Disconnect the 5D-OSD menu panel after OSD setting.

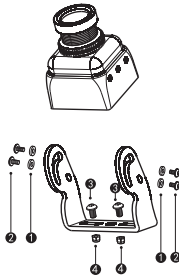


## Dimensions & Installation

### Turbo F2

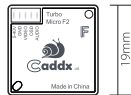
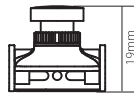


- 1 Nylon Gaskets
- 2 M2\*3 Screws
- 3 M3\*8 Screws
- 4 M3 Non-slip Nuts

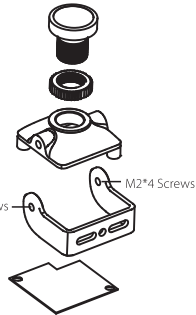


## Dimensions & Installation

### Turbo Micro F2



- M2\*4 Screws
- M2\*4 Screws



Turbo Micro F2



Turbo F2

Model	Turbo F2	Turbo Micro F2
Image Sensor	1/3" CMOS Sensor	
Horizontal Resolution	1200TVL	
TV System	NTSC/PAL changeable	
Image	16:9/4:3	
WDR	D-WDR	
Min. Illumination	0.001Lux@F1.2	
Lens	2.0mm (default)/ 2.1mm/ 2.3mm lens	2.1mm lens
Synchronization	Internal	
Electronic Shutter	PAL: 1/50~100,000; NTSC: 1/60~100,000	
S/N Ratio	>52dB (AGC OFF)	
Video Output	CVBS	
Audio	YES	
Auto Gain Control	YES	
BLC	YES	
Camera OSD	YES	
DNR	2 DNR	
LANGUAGE	ENG/CHN	
Image Flip	Support	
Day/Night	Auto/Color/B&W	
Dimensions	22mm*22mm*27mm	19mm*19mm*19mm
Wide Power Input	DC 4.5~40V	
Work Temperature	-20°C~+60°C	
Work Humidity	20%~80%	
Weight	12.5g (N.W.)	5.5g (N.W.)

## Camera Menu

### Main Menu

MAIN MENU	
AE	↵
WB	↵
DAY - NIGHT	↵
VIDEO SETTING	↵
LANGUAGE	<ENGLISH>
RESET	↵
SAVE - EXIT	↵
EXIT	

LANGUAGE (ENGLISH/中文)

### AUTO EXPOSURE

EXPOSURE	
BRIGHTNESS	<12>
EXPOSURE MODE	<BLC>
LV	<0>
GAIN	<3>
RETURN	↵

BRIGHTNESS (1-20)  
EXPOSURE MODE (GLOBE/ FLC/  
BLC/ CENTER)  
LV (0-7)  
GAIN (1-8)

## Camera Menu

### WHITE BALANCE

WB	
MODE	<MWB>
RGAIN	<7>
BGAIN	<12>
RETURN	↵

MODE (ATW/ MWB)  
RGAIN (1-16)  
BGAIN (1-16)

### DAY - NIGHT

DAY / NIGHT	
MODE	<EXT>
RETURN	↵

MODE (EXT / B/W / COLOR /  
AUTO)

## Camera Menu

### VIDEO SETTING

VIDEO SETTING	
CONTRAST	<7>
SHARPNESS	<15>
COLOR GAIN	<17>
DNR	<3>
MIRROR	<DEFAULT>
FORMAT	<PAL>
DWDR	<ON>
RETURN	↵

CONTRAST (1-50)  
SHARPNESS (1-20)  
COLOR GAIN (1-31)  
DNR (1-15)  
MIRROR (DEFAULT/ HV/ V/ H)  
FORMAT (PAL/ NTSC)  
DWDR (ON/ OFF)