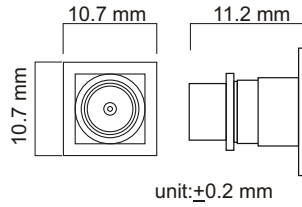
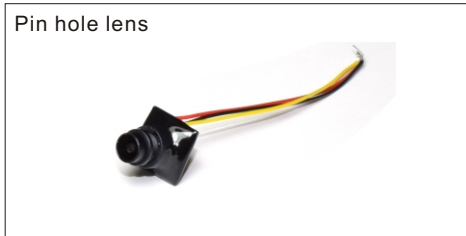
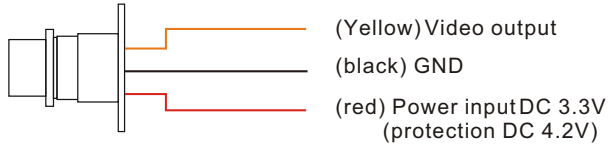


# Ultra Mini Cmos Camera Manual



## ▶▶ Instruction Drawing & Description



## ▶▶ Specification

Effective image area	3.8mm(H) x 2.9mm(V) x 4.86mm(D)
Video System	NTSC / PAL
Number Of Effective Pixels	648 x 488(NTSC / PAL)
Pixel sizes	6 um x 6 um
Scanning System	2:1 INTERLACE
Synchronization	INTERNAL
Resolution (TV Lines)	480 TV Lines
Sensitivity	8.2 [V/Lux.sec]
Dynamic Range	63.3 [dB]
S/N Ratio	More than 47dB
Minimum Illumination	0.02 Lux/ F1.2
Electronic Shutter	60 field/sec (NTSC), 50 field/sec (PAL)
Horizontal Sync Frequency	15.734kHz(NTSC) , 15.625kHz(PAL)
Vertical Sync Frequency	60Hz(NTSC) , 50Hz(PAL)
Gamma Consumption	0.45
Video Output	1Vp-p , 75ohms Composite
Built-in Lens	2.3mm/F2.6
Focal distance	Infinity
Storage Temperature	-30 to 60 Degree C
Working Temperature	-10 to 45 Degree C
Power Supply	DC 3.3V(protection DC 4.2V)
Power Current	80mA-max
Dimensions (WxH)	10.7 x 10.7 x 11.2(mm)

**MO-B5511-2ES**