MOSWELL

Getting the Best Picture

MS-163FHA 1/2.9-inch 2.1 mega pixels analog HD color camera 1920×1080 with low distortion lens!

Key feature

- 52.5(H)×48.2(W)×38.5(D)mm
- 1/2.9-inch 2.1 mega pixels CMOS sensor
- Resolution 1920×1080
- Low distortion lens
- Mirror image (Optional)
- Low power consumption
- DC+12V
- TV system supports analog HD
- Cost-effective type

1/2.9-inch	2.1 mega pixels CMOS sensor	1920×1080
0.5Lux (F1.4)	Analog HD	Approx. 270g
Low distortion lens adoption	52.5(H)× 48.2(W)× 38.5(D)mm	DC+12V

Model

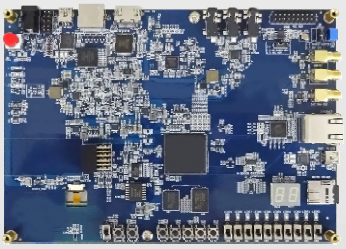
MS - 163FHA

Lens type

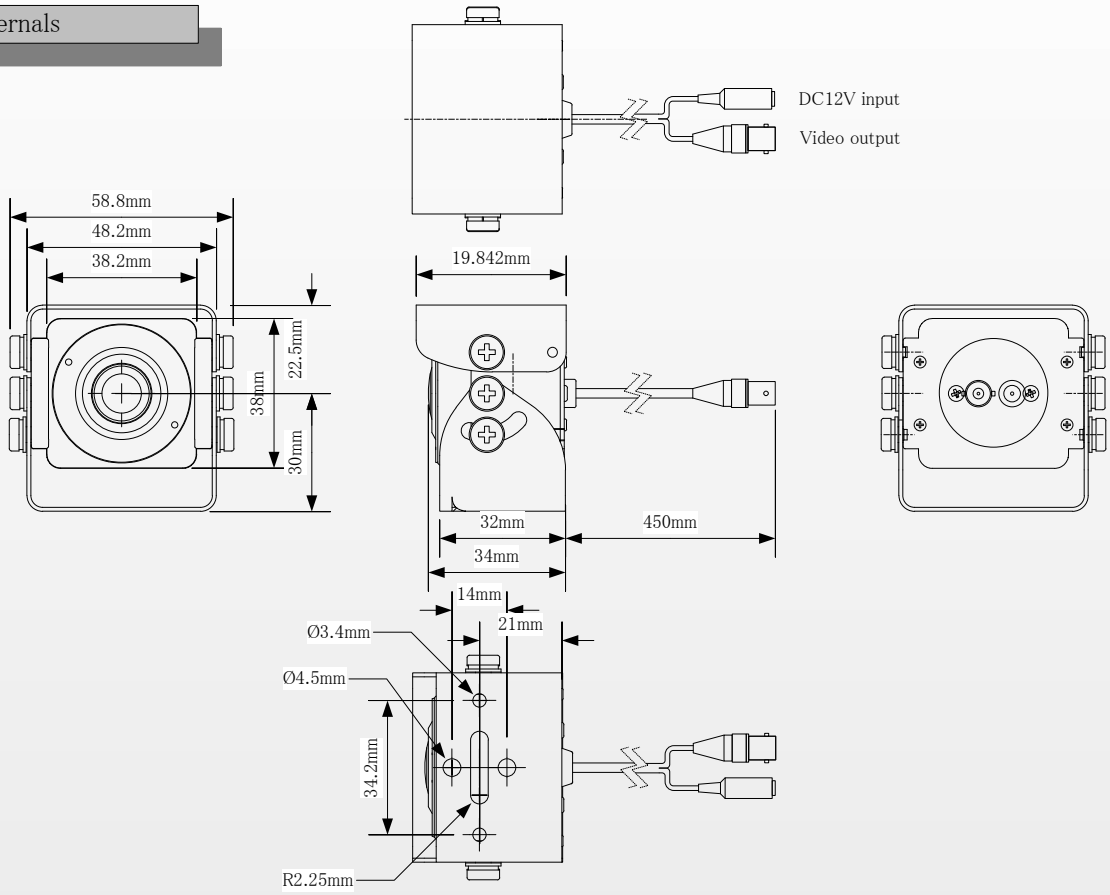
TR29 (f=2.9mm , H=83° ,V=52°) JD45 (f=4.5mm , H=61° ,V=36°)
AL30 (f=3.0mm , H=84° ,V=50°) JD60 (f=6.0mm , H=47° ,V=27°)
JD30 (f=3.0mm , H=83° ,V=52°) JD178 (f=17.8mm , H=16° ,V=9°)
JD36 (f=3.6mm , H=75° ,V=47°)
JD39 (f=3.9mm , H=68° ,V=42°)

Examples showing the use

Processing board



Externals



Specifications

Item	Specifications
Model	MS-163FHA
Image size	1/2.9-inch color CMOS sensor
Signal method	Analog HD
Number of effective pixels	1928(H) × 1088(V)
Number of video output pixels	1920(H) × 1080(V)
Unit cell size	2.8 μ m(H) × 2.8 μ m(V)
Frame rate	30fps
Scanning system	Progressive scan method
Synchronizing system	Internal format
Image output	VBS:1.0p.p / 75 Ω
Minimum illumination	0.5Lux(F1.4)
S/N	45dB
AWB	AUTO
AGC	AUTO
Camera shutter	AUTO
Lens	Lineup f=2.9mm,f=3.0mm,f=3.6mm,f=3.9mm,f=4.5mm,f=6.0mm,f=17.8mm
Power supply	DC+12V(±10%)
Power consumption	1.2W
External dimensions	52.5(H)×48.2(W)×38.5(D)mm
Weight	Approx.270g
Operating temperature	−10℃～+50℃
Operating humidity	20～80%

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