

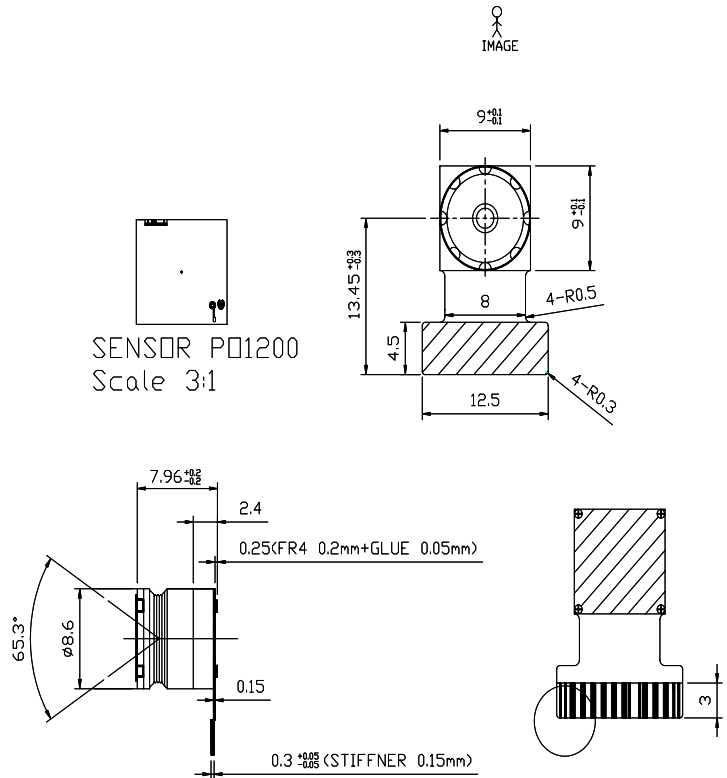
D200-3P00-90

PHONE CAMERA MODULE

General Features

Resolution	1600(H)*1200(V)
Optical size	1/2.7" optical format
Pixel size	3.3 μm * 3.3 μm
Image area	5.33mm(H)*4.01mm(V)
Sensitivity	TDB V/Lux-sec@3.7fps,IR cut filter
Lens Elements	3 plastics+IR coating
Host Interface	10bit Data Bus
Frame rate	Variable up to 12 fps(UXGA) Variable up to 30 fps(SVGA)
Operating modes	Still mode/Preview mode
Color filter	RGB primary color filter, Bayer arrangement
File format	YUV422/Bayer Data/RGB 565/ RGB888/Mono
Digital zoom	
Power consumption	60mA@7.5fps.2.5V I/O, active 15μA@Standby
Operating voltage	Core/Analog : 1.8VDC±10% I/O: 1.8 to 3.3VDC
Clock Frequency	64 MHz(Max.)
White Balance	Auto
Exposure control	Auto/manual
Shutter Speed	Shutter: 1/4~1/2000 sec.
Relative Illumination	49%
IR CUT	645± 10nm
Focal Length	5.02mm
F Number	F 2.8
Distance	61 cm~580 cm
Field of View	Horizontal :56° Vertical :43.5°
MTF	Center : TBD 0.7Field : TBD
TV Distortion	< 1%
Operation Temperature	(-20)~60° C
Storage Temperature	(-40)~85° C
Package Size	9.0(L)×9.0(W)×7.96±0.2(D)mm
Weight	0.3±0.2g
Connector Type	24 pin FPC connector

Package Dimension



Interface Specification

pin 1	NC	pin 13	XCLK_1
pin 2	AGND	pin 14	Y8
pin 3	SIO_D	pin 15	DGND
pin 4	AVDD	pin 16	Y7
pin 5	SID_C	pin 17	PCLK
pin 6	RESET	pin 18	Y6
pin 7	VSYNC	pin 19	Y2
pin 8	PWDN	pin 20	Y5
pin 9	HREF	pin 21	Y3
pin 10	DVDD	pin 22	Y4
pin 11	DOVDD	pin 23	Y1
pin 12	Y9	pin 24	Y0