



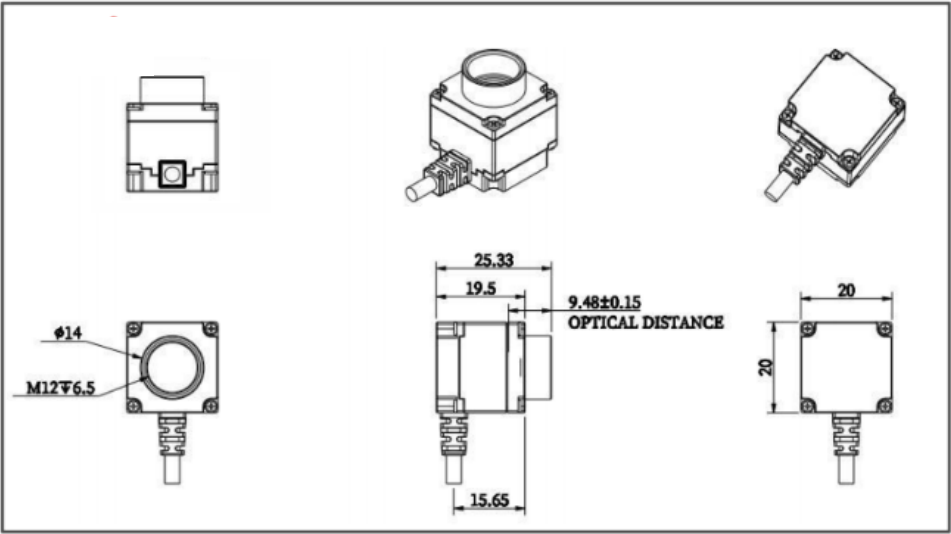
Performance characteristics

- 5MP, Mono camera
- Built-in large-capacity frame buffer to ensure reliable and real-time transmission
- Supports USB3 Vision, GenICam interfaces
- Compatible with third-party visual development software such as HALCON, MV Viewer, Labview, VM, etc.
- Built-in ISP, supports gamma, contrast, LUT, reduces host CPU consumption and improves real-time performance

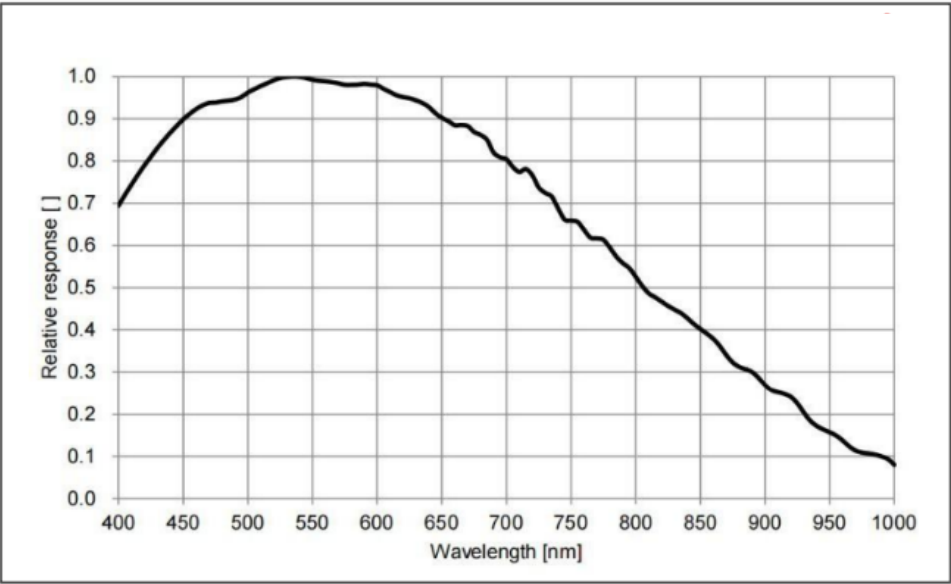
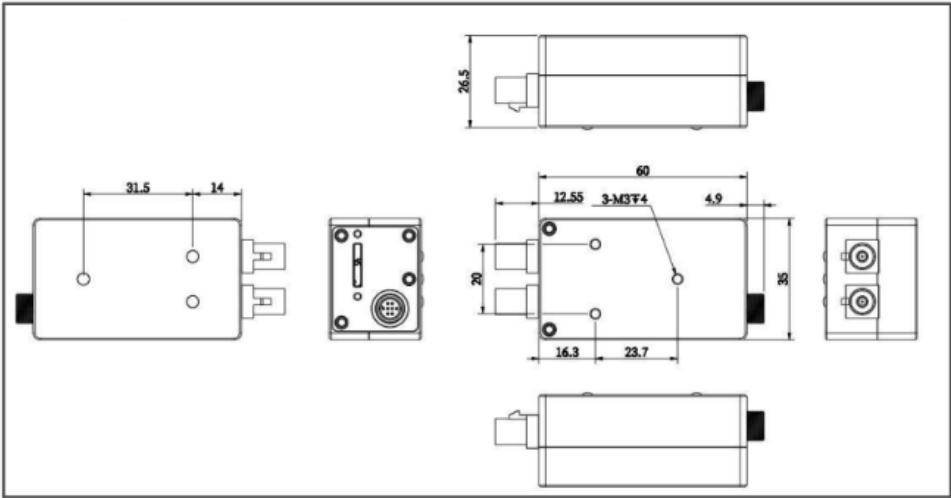
Technical parameters

- **Model Number** : SUC500M-H3
- **Product Series** : SGC_SUC Series
- **Manufacturer** : Do3think
- **Sensor Type** : CMOS, Global Shutter
- **Pixel Size** : 2.74um×2.74um
- **Optical Size** : 1/1.8", diagonal 8.75mm
- **Resolution** : 2448×2048
- **Line Rate** : 77FPS
- **Mono/Color** : Mono
- **Data Interface** : USB3.0
- **Power Supply** : DC 12V-24V (± 10%) power supply
- **Lens Mounts** : M12
- **Dimension** : Sensor side: 20mm×20mm×19.5mm ; Controller side: 60mm × 35mm × 26.5mm
- **Weight** : Sensor side: Approximately 11g ; Controller side: Approximately 70g

Dimension : Camera



Dimension : Controller



Pin	Color	Definition	Single Source	Description	Isolated/Non Isolated	Input/Output
1	Green	TRIG+	Line 1+	Trigger input positive	Optocoupler Isolation	High effective: 3.3-24V Low effective: 0-1V Input current: 5mA
3	Brown	TRIG-	Line 1-	Trigger input negative		
2	Yellow	Flash_out+	Line 2+	Flash output positive		Optocoupler current limit: 25mA Port voltage: 0-24V
8	Blue	Flash_out-	Line 2-	Flash output negative		
6		NC				
4		NC				
5	Black	GND		Power supply negative		DC 12-24V
7	Red	POWER_IN+		Power supply positive		
	Transparent	shielded cable		Connect to camera housing		Note: Transparent heat-shrinkable sleeving for shielded wires
Trigger		