

SG-IR1550-2K

- 2000m Distance 1550nm Infrared Laser Illuminator Module



1. Features

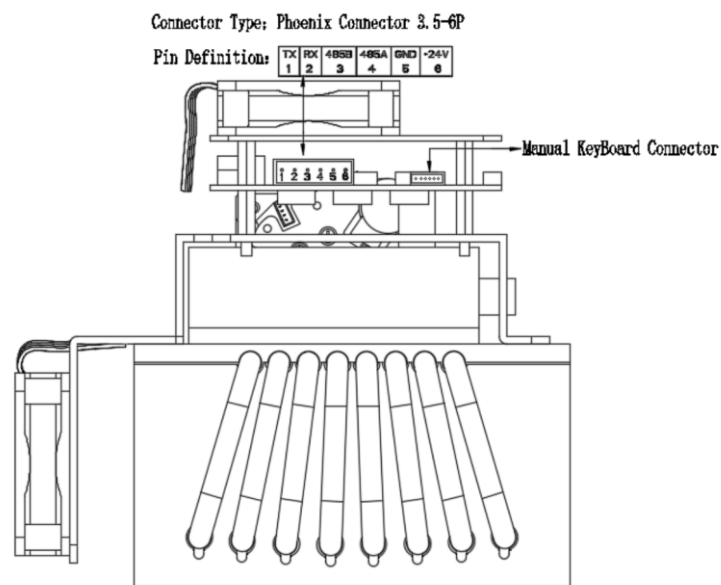
- > Intelligent auto-dimming, Smart match, Hot-swappable
- > -35°C low temperature cold starting
- > Fiber homogenization laser
- > Synchronized zoom with Savgood SWIR camera
- > Clear picture and spot boundary
- > With electric adjustment bracket

2. Specification

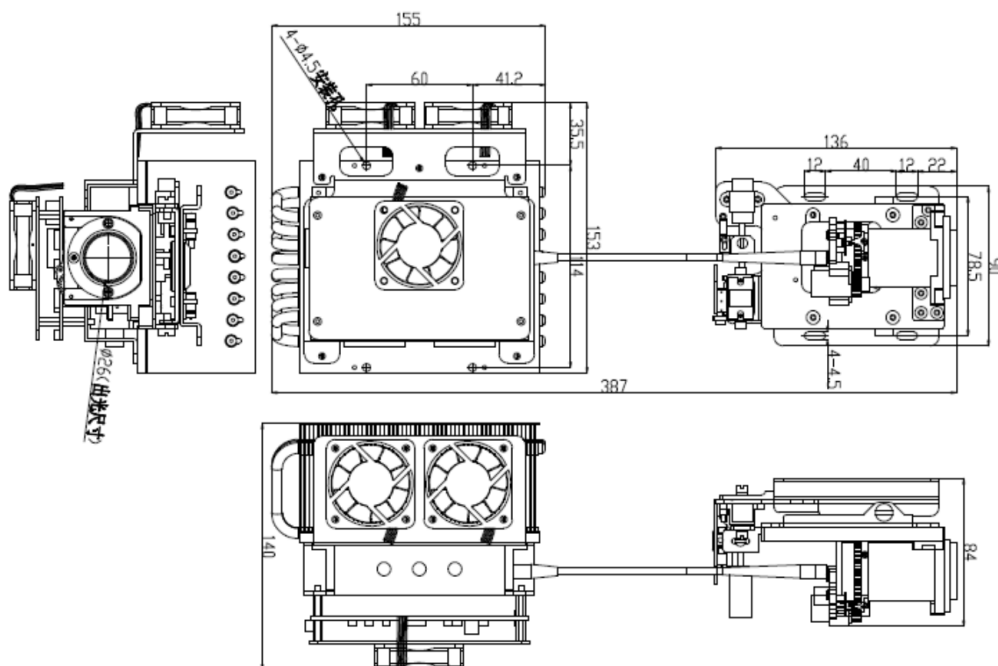
Model	SG-IR1550-2K
Effective Distance	≥2000m
Mode	Fiber Homogenization Laser
Wavelength	1550nm±5nm
Input Power	<70W
Laser Chip Power	10W (2*5W)
Output Light Power	≥8W
Lighting Angle	0.8°~70° (Continuous zoom)
Spot Diameter	φ19m(@0.8°@2000m)
Zoom Time	≤3s (Near to Far)
Initialization Time	<10s
Fiber Core Diameter	400μm
Laser Safety Level	Class IV (FDA, IEC 60825)
Laser Safety Distance	15m (Far Angle)
Communication Interface	RS-485, TTL232
Communication Protocol	Pelco-D (9600bps)
Working Mode	Continues

Service Life	> 20,000H
Input Power	DC24V±10%, 2.6±0.3A
Operation Temperature	-35°C~+55°C
Storage Temperature	-40°C~+85°C
Dimension	387mmx153mmx140mm
Weight	3.5kg
Electric Adjustment Bracket	
Adjustment Direction	Left/Right: ±3°, Up/Down: ±3°
Adjustment Accuracy	0.01°

3. Interface Definition



4. Dimension



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*Design and specifications are subject to change without prior notification.
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