

# Parameters

Resolution:0.03mm  
 Operating voltage:12VDC  
 Nominal power:7W  
 Cycle time:3ms  
 Sensor/web gap:20mm  
 Ambient temperature: -10°C~ +60°C  
 Humidity : <90% Non-Condensation  
 Measuring range:10mm  
 Minimum line width:0.2mm  
 Enclosure material : aluminum  
 Weight:0.7kg  
 Protection class: IP54



Super line scan CCD technology



LED display



Special fast installation positioning block



A key to calibrate



A key to switch edge or line guiding



Optimized software algorithm



3D multi-color LED light source, the system automatically select the most suitable light source

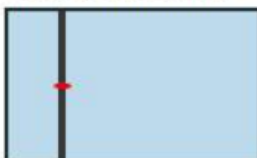


Automatically adjust light angle and intensity

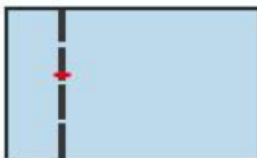


Laser positioning system

## Mode of detect line



Solid line on the blank area



Intermittent line on the blank area



Solid line on the printing area



Intermittent line on the printing area

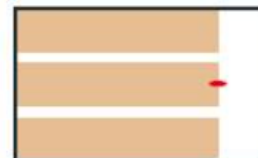


Any one of a few marked line

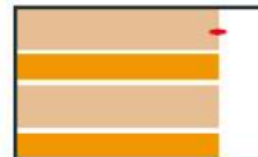
## Mode of detect edge



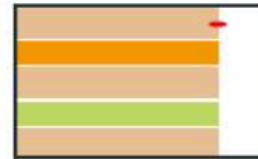
Solid stripe edge on the blank area



Intermittent stripe edge on the blank area



Intermittent with same interference stripe edge



Intermittent with different interference stripe edge

Note:Tracking range of line width:0.2mm-3mm

Line width more than 3 mm selected edge mode



## 光电传感器

LS80 型光电传感器用于跟踪连续或断续彩色线、边或印刷图案边缘等，既能追边，又能追线，应用十分广泛。



采用超级线扫CCD技术，跟踪目标更为精确、系统更为稳定



操作简单，一键式校准



内置目标状态LED显示条，方便用户随时观察跟踪状态



跟边、跟线一键切换



专用快速安装定位块，使传感器的安装变得快速而方便



内置三维多色LED光源，系统自动选择最适合的光源



LaserGuide专利的激光目标定位系统，定位变得前所未有的简单



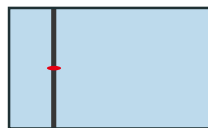
光源角度和强度自动调节，可满足最苛刻的用户需求

### 性能参数表

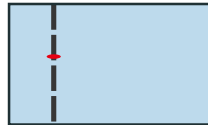
|        |        |
|--------|--------|
| 检测精度   | 0.03mm |
| 最细跟线宽度 | 0.2mm  |
| 焦距     | 20mm   |
| 有效检测区域 | 10mm   |
| 工作电压   | 12VDC  |
| 额定功率   | 7W     |

|        |               |
|--------|---------------|
| 采样周期   | 3ms           |
| 环境温度   | -10°C ~ +80°C |
| 空气湿度   | 0~90%无（水汽）凝结  |
| 机箱防护等级 | IP54          |
| 外壳材质   | 铝             |
| 重量     | 0.7kg         |

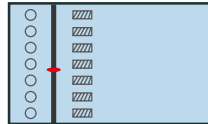
### 追线模式



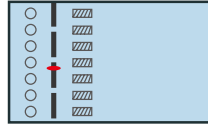
空白区域上  
连续的线



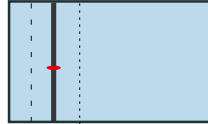
空白区域上  
断续的线



印刷区域上  
连续的线



印刷区域上  
断续的线

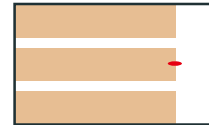


几根标志线中的  
任意一根

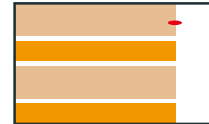
### 追边模式



空白区域上  
连续的条纹边缘



空白区域上  
断续的条纹边缘



断续且有相同  
干扰条纹边缘



断续且有不同  
干扰条纹边缘

注：跟踪的线宽范围：0.2mm—3mm，  
线宽超过3mm选择追边模式。

### 安装尺寸图(单位:mm)

