


**YQ2000 SCAN ENGINE**

|   |   |                |
|---|---|----------------|
|  | Size:42Lx43Wx17mmH                              |                |
|   | Weight:Auto trigger 15.8g, Manual trigger 15.6g |                |
|   | Working Current:42mA @ 5V                       |                |
|   | Infrared Sensor:Auto trigger、Manual trigger     |                |
|   | Output Signal:TTL                               |                |
|   | Laser Energy:0.7mW                              |                |
| <b>Optical</b>  |   |                |
| Light source  | Visible laser diode, wavelength 650nm           |                |
| Laser Energy  | 0.7mW   |                |
| Scan mode   | Single-line scan                                |                |
| Scan speed  | 100 scans per seconds(sps)                      |                |
| Resolution  | 0.10mm (pcs0.9)                                 |                |
| Reading Distance  | 25-270mm(0.33mm. PCS 90%)                       |                |
| Tilt Angle  | 65°   |                |
| Skew Angle  | 55°   |                |
| PCS   | 0.45  |                |
| <b>Physical</b>   |   |                |
| Size  | 42mmL*43mmW*17mmH                               |                |
| Weight  | Auto trigger:15.8g, Manual trigger:15.6g        |                |
| Interface   | 8-Pin ZIF Adaptor Industry standard output      |                |
| <b>Power</b>  |   |                |
| Voltage Requirement   | 5V  |                |
| Working Current   | 42mA  |                |
| Safety  | CDRH class 2 laser product                      |                |
| <b>EMI Generation</b>   | FCC Class A, CISPR Class A                      |                |
| <b>Environment</b>  |   |                |
| Operation Temperature   | 0℃-45℃  |                |
| Storage Temperature   | -20℃-60℃  |                |
| <b>Humidity</b>   | 5%-95% (non-condensing)                         |                |
| Ambient Light   | Max. 5,000 Lux (FL)                             |                |
| <b>8-Pin ZIF Adaptor Industry standard output</b>                                 |   |                |
| Pin   | Definition                                      | Remarks        |
| 1   | VCC   | 5V             |
| 2   | NC  | not connection |
| 3   | LASER_EN  | laser enable   |
| 4   | NC  | not connection |
| 5   | DATA  | serial data    |
| 6   | SOS   | frame signal   |
| 7   | LED   | led            |
| 8   | GND   | ground         |