**POE Module**

**1.product features：**

1.1 Specification：with IEEE802.3af standard

1.2 Security：Has a perfect short circuit protection, 1500V high voltage isolation

1.3 Size :38*38mm

1.4 Compatibility: integrated network adapter supports End-span (1,2 + / 3,6 -) and Mid-span (4,5 + / 7,8 -) two power modes

1.5 use for min dome IP camera case.Ultrathin modules.The highest to lowest is only 9mm

1.6 Industrial grade temperature resistance.no capacitance design

**2. Applications：**All IP Camera

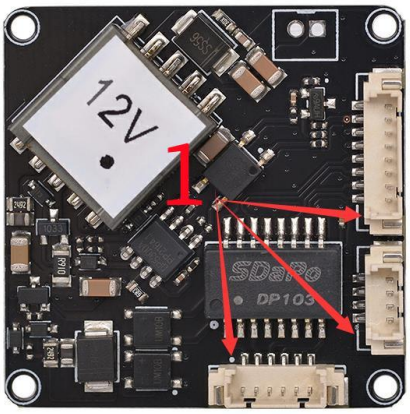
**3. The main parameters：**

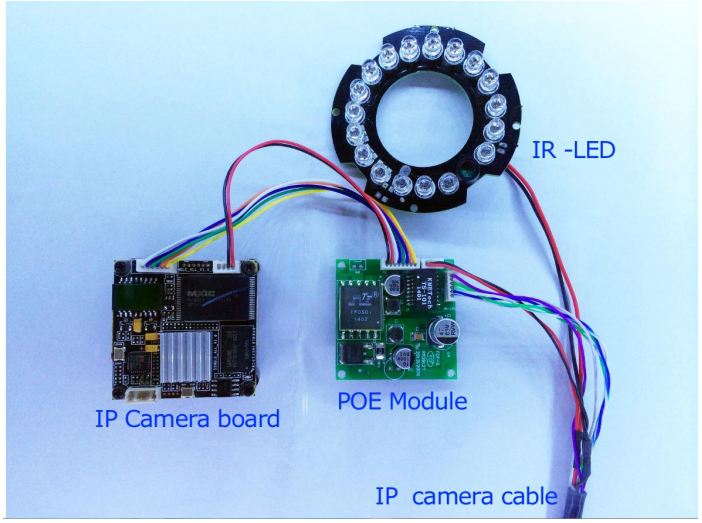
| No. | Parameter | Symbol | Min | Typical values | Max | Unit |
|---|---|---|---|---|---|---|
| 1 | Input Voltage | Vin | 37 | 48 | 57 | V |
| 2 | output voltage | +VDC | 11.8 | 12 | 12.3 | V |
| 3 | output Current | PWR | | 1 | 1.08 | A |
| 4 | Isolation Voltage | ISO | | 1.5 | | KV |
| 5 | Storage Temperature | Tj | -40 | 25 | 120 | ℃ |
| 6 | Operating Temperature | Tstg | -40 | 25 | 85 | ℃ |

3.1 is typically 25 ℃, measured under the 48V power supply environment, only for reference design

3.2 Do not exceed the recommended load value of 950mA (not included IR-cut switch) to adapt to different environments

## 4. Interface Definition：




| P3：PoE Board output | | P1：cable data input | |
|---|---|---|---|
| 1 | RJ 6 | 1 | RJ 6 |
| 2 | RJ 3 | 2 | RJ 3 |
| 3 | RJ 2 | 3 | RJ 2 |
| 4 | RJ 1 | 4 | RJ 1 |
| 5 | LED2 | 5 | LED2 |
| 6 | LED1 | 6 | LED1 |
| 7 | DC 12V+ | | |
| 8 | DC 12V- | | |

| P2： cable power input | |
|---|---|
| 1 | DC 12V+ |
| 2 | DC 12V- |
| 3 | RJ 4,5 |
| 4 | RJ 7,8 |

| P4： power output ( Backup interface) | |
|---|---|
| 1 | DC12V + |
| 2 | DC 12V - |