POE Module

1.product features：

1.1 Specification：with IEEE802.3af/at 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 High efficiency version, high conversion efficiency, with bigger load, low heat, better performance

1.6 Industrial-grade temperature resistance -40~85℃

2. Applications：All IP Camera

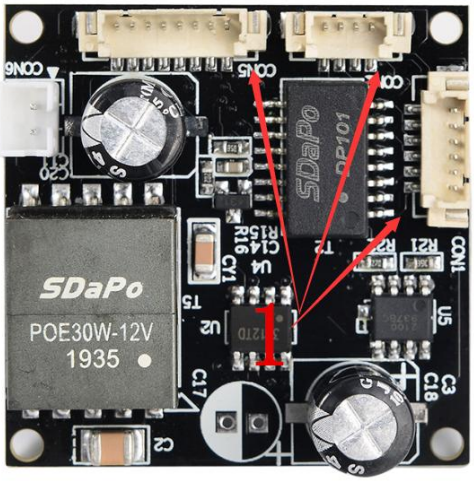
3. The main parameters：

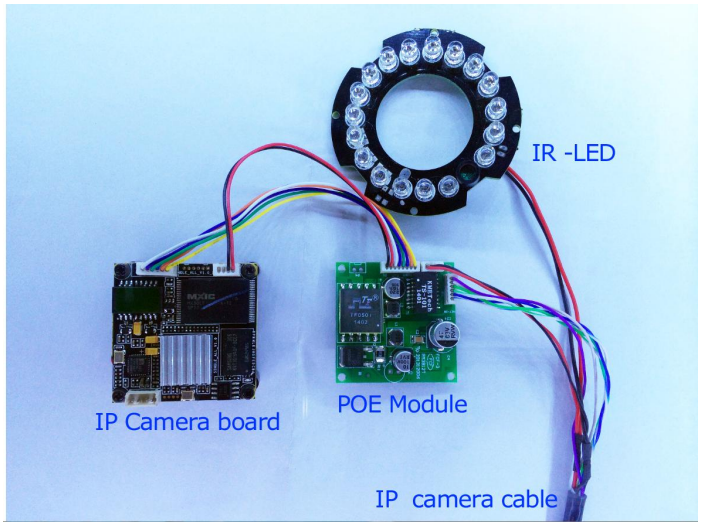
No.	Parameter	Symbol	Min	Typical values	Max	Unit
1	Input Voltage	Vin	44	48	57	V
2	output voltage	+VDC	11.8	12	12.3	V
3	output Current	PWR		2+	2.3	A
4	Isolation Voltage	ISO	1.48	1.5	1.52	KV
5	Storage Temperature	Tj	-40	25	100	℃
6	Operating Temperature	Tstg	-40	25	85	℃

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 1800mA (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 -