



Product Description

Model No.: LCF-23IRF

Application

General purpose embedded imaging and control.

Security system

Access Control system

Robot vision, object detection and recognition.

Industrial control system.

Automotive system.

Medical systems etc.

Features

1. Working by day and light(IR LED)
2. Low cost and low powered camera for embedded imaging applications.
3. On-board EEPROM provides a command-based interface to external host via RS232,RS485 and TTL serial link.
4. UART: up to 115200bps for transferring JPEG still pictures
5. Support fast continuous snapshotting
6. Built-in down sampling, clamping and windowing circuits for VGA, QVGA, 160x120 image resolutions.
7. Auto-Infrared, Auto-White Balance, Auto-Gain Control.

No.	Item	Description
1	Image sensor	CMOS
2	Pixels	0.3 mega pixels
3	Image Resolution	640*480 320X240 160X120
4	Image Compression	JPEG
5	Focal Length	2.5mm 3.6mm 6mm optional
6	Angle of View	120° 90° 60° optional
7	Minimum lumen	1 Lux
8	Night Vision lumen	5 Lux
9	Night Vision Image	Black-White Image
10	Night Vision Distance	3-10M
11	Serial Interface	RS232 TTL RS485
13	Baud Rate	9600-115200bps
14(1)	Connector	Customize for customer(any connector is available)
(2)	PIN Description	PIN 1: DC 5V PIN 2: TXD

		PIN 3: RXD PIN 4: GND
15	Length of Cable	Customize for customer(2m is default one)
16	White Balance	Automatic
17	Exposure	Automatic
18	Auto Gain Control	Automatic
19	Weight	0.4KG
20	Working Current	IR Off: 50-80mA IR On: 250-320mA
21	Power Supply	5V
22	Working Temperature	-15°C~70°C
23	Datasheet/Protocol	LCF Protocol
24	PC Test Software	Support