

# UVC VGA Webcam Module Specification Sheet

**Part Number: P-U0F1D17-00**

**Solution: JMB310 + PO6030**

Date: 2009/2/16

Version: 1.0

## **Amendment History**

<b>Date</b>	<b>Description</b>
2009/1/16	New release

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## 1. Features:

- VGA CMOS Sensor
- UVC Compliant for Driver-Free
- Versatility for Internet video & image capture

## 2. Applications:

- Notebook
- Netbook
- LCD Monitor
- All-in-one PC

## 3. Specifications:

Item		Specification
<b>Image Sensor</b>	Image Format	1/6" CMOS SENSOR
	Active Pixels	656x496
	Active Imager Size	640x480
	Sensitivity	1.46[mV/sec]@60°C
	Pixel Size	3.6μm×3.6μm
	Color Filter Array	RGB Bayer Pattern
	Chief Ray Angle	25° non-linear
	Frame Rate	30 fps @ VGA
	Auto Exposure Control	YES
	Auto White Balance	YES
	Auto Gain Control	YES
	Dynamic Range	50.3[dB] @60°C
	S/N Ratio	43[dB] @60°C
	Supply Voltage	66.85[mW]@Dynamic@DVDD 1.5V 40.68[μW]@Standby@DVDD 1.5
<b>Lens</b>	Structure	2P+IR
	EFL	2.2 mm
	F/No.	2.8
	Field of View	66.41°
	Distortion	<1%
	Relative Illumination	45% @ 1.0 field
	Focus Type	Fixed
	Focal Distance	40~infinity

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<b>Image Processor</b>	IC Number	JMB310
	Compliant	USB2.0 Video Class
	Power Supply	5VDC
<b>Power Consumption</b>	Suspend	320 $\mu$ A $\pm$ 5%
	Stand-by	50mA $\pm$ 5%
	In use	80mA $\pm$ 5%

### 4. Minimum System Requirements:

OS	System Requirements
<b>PC</b>	<ul style="list-style-type: none"> <li>● Intel Pentium III 1G MHz MMX compatible PC or faster</li> <li>● Microsoft Windows XP SP2 &amp; Vista or later</li> <li>● 256MB RAM (512MB or higher recommended)</li> <li>● CD-ROM drive</li> <li>● One available USB port</li> <li>● 160MB free hard disk space (260MB recommended)</li> <li>● Microphone &amp; internet access for internet video messenger</li> </ul>
<b>Mac</b>	<ul style="list-style-type: none"> <li>● Macintosh computer with a PowerPC G5 processor</li> <li>● Mac OS 10.4.9 or later</li> <li>● 256MB RAM</li> <li>● CD-ROM drive</li> <li>● One available USB 2.0 port</li> <li>● Microphone &amp; internet access for internet video messenger</li> </ul>

### 5. Support Platforms:

- **Windows XP SP2, Vista or later**
- **Mac OS10.4.9 or later**
- **Linux Kernel 2.6.8 or later**

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### 6. Pin Definitions of Connector:

Pin Number	Name	Pin Type	Definition
P1	USB 5V	Power	+5VDC
P2	USB D-	Data Transmission	USB Data Write
P3	USB D+	Data Transmission	USB Data Read
P4	GND	GND	System Ground
P5	Shielding Ground	GND	System Ground

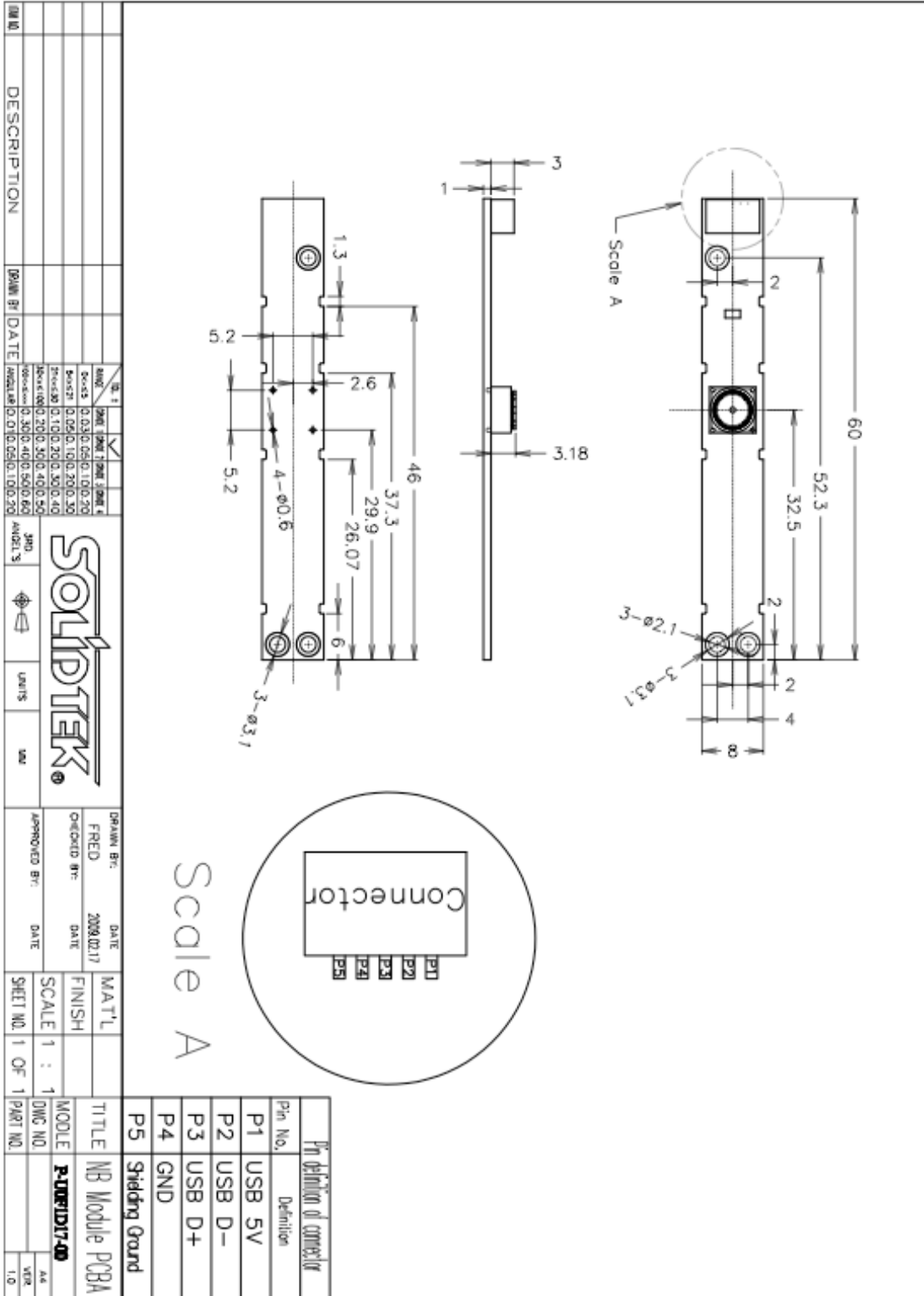
### 7. Electrical Characteristics:

#### Maximum Ratings:

Symbol	Parameter	Min.	Max.	Unit
VCC	Input Voltage	4.5	5.5	V

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## 8. Outline Specifications:



REV	DATE	BY	CHK	APP	DATE
<b>SOLIDTEK</b>					
DRAWN BY: FRED DATE: 2009.02.17					
CHECKED BY: DATE:					
APPROVED BY: DATE:					
MATERIAL FINISH SCALE 1 : 1 SHEET NO. 1 OF 1 PART NO.					
TITLE: NB Module POBA					
MODULE: P-UR1D17-00					
DWC NO.					
AA					
VISA					
I/O					

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## 9. Lens Specifications:

