

## Labomed iVu1250

The iVu1250 microscope camera offers various resolutions up to 12.5 Mpixel using micro-scanning. The camera also features a Peltier cooling system for excellent very low light performance. Combined with ProgRes CapturePro software, this Firewire™ camera is an excellent tool for critical imaging applications requiring very large file formats.



### Specifications :

<b>Sensor type:</b>	2/3" 1.4 MegaPixel Color CCD Micro-scanning to 12.5 Megapixel Active area : 8.8mm x 6.6mm Peltier cooled with fan (hermetically sealed)
<b>Sensor resolution :</b>	1360x 1024 pixel
<b>Pixel Size</b>	6.45µm x 6.45µm
<b>A/D conversion</b>	3 x 14 Bit RGB
<b>Pixel clock</b>	12 MHz / 24.5 MHz
<b>Dynamic range</b>	69 dB / 67 dB
<b>Analog Gain</b>	1x – 8x
<b>Max. exposure</b>	300s
<b>Frame rate (image size)</b>	31 fps (680 x 512)
<b>Capture resolution</b>	1360 x 1024 basic; 2720 x 2048 and 4080 x 3072 with micro-scanning
<b>Standard Binning</b>	680 x 512, 340 x 256, 453 x 340, 272 x 204
<b>Digital interface</b>	IEEE 1394a Firewire™
<b>Optical connection</b>	C- Mount (0.63 x TV adapter recommended)
<b>Tripod thread</b>	Dual thread 3/8" and 1/4"
<b>Voltage supply</b>	8...33 VDC (via IEEE1394 Connector)
<b>Power consumption</b>	approx. 8W
<b>Ambient conditions</b>	Temperature: +5°C... +35°C Humidity: 5%... 80% non-condensing
<b>Dimensions (LxWxH)</b>	145mm x 93mm x 123mm
<b>Weight</b>	800 g
<b>Capture software</b>	ProgRes® CapturePro (TWAIN & Stand-Alone)
<b>ComputerRequirments</b>	PC: Microsoft Windows® 2000/ XP/ Vista Mac: Apple Macintosh® OS x 10.4 or higher 3 GHz CPU, 1 GB RAM, 64 MB graphics, IEEE1394 Firewire™ (OHCI compliant)

### Applications :

**Material Sciences      Semiconductor      Pathology      Research      Biomedical**