



LEOPARD IMAGING INC

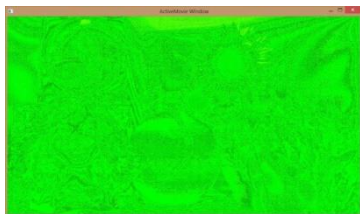
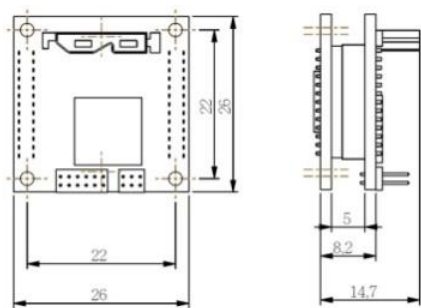
Rev. 1.2

# LI-USB30-IMX225C

## Data Sheet

### Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- Color camera
- Support either CS or M12 lens
- Provide customization services
- USB +5VDC powered device
- Compact Size: 26mmx26mm
- 2 Boards are stacked
- Part#: **LI-USB30-IMX225C**



RAW data streaming



Camera Tool view mode



### Default Lens Specification

- Model: M13B0618WR5
- Image format: 1/3"
- Focal length: 6.0 mm
- Aperture, F/#: 1.8
- Built in 650nm IR cut filter
- FOV (D/H/V): 60° / 48° / 34.5°

### Applications

- Machine Vision
- Medical Camera
- Scientific Camera

### SDK Supported

- Camera Tool Source Code in C#
- Capture & Display
- OpenCV supported through Emgu
- RAW to RGB Conversion
- Save file as BMP & RAW format
- Color matrix



Leopard Imaging Inc.

1130 Cadillac Ct., Milpitas, CA 95035, USA  
Phone: +1-408-263-0988  
Fax: +1-408-217-1960  
Email: [sales@leopardimaging.com](mailto:sales@leopardimaging.com)  
Website: [www.leopardimaging.com](http://www.leopardimaging.com)  
[www.leopard-security.com](http://www.leopard-security.com)

# Specification

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| General Behavior              |                                                                       |
| Video Resolution @ Frame rate | 1312 x 992 @ 30 fps                                                   |
| Sensitivity                   | TBD                                                                   |
| Dynamic range                 | 12 bit                                                                |
| Interface (Optical)           |                                                                       |
| IR cut filter                 | Yes                                                                   |
| Sensor specification          | Sony Diagonal 6.09 mm (Type 1/3) CMOS Solid-state Image Sensor IMX225 |
| Shutter                       | Rolling                                                               |
| Format                        | 1/3"                                                                  |
| Total number of pixels        | H:1312, V:993                                                         |
| Pixel size                    | H:3.75 um, V: 3.75 um                                                 |
| Lens mount                    | CS / M12 lens mount support (Default: M12 lens)                       |
| M12 Lens                      | 6.0 mm (default), 4.2 mm, 2.6 mm Focal Length                         |
| Interface (Electrical)        |                                                                       |
| Interface                     | USB 3.0                                                               |
| Supply voltage                | USB 3.0 +5 VDC power source                                           |
| Current consumption           | Approx. 175 mA at 5 VDC                                               |
| Interface (Mechanical)        |                                                                       |
| Dimensions                    | L: 26 mm, W: 26 mm, H: 38 mm                                          |
| Mass                          | 22 g                                                                  |
| Adjustment (Manual)           |                                                                       |
| Shutter                       | TBD                                                                   |
| Gain                          | TBD                                                                   |
| Adjustment (Auto)             |                                                                       |
| Shutter                       | TBD                                                                   |
| Gain                          | TBD                                                                   |
| Environmental                 |                                                                       |
| Max. temperature (operation)  | 0 °C ~ 50 °C (32 °F~ 122 °F)                                          |
| Max. temperature (storage)    | -20 °C ~ 80 °C (-4 °F~176 °F)                                         |
| Max. humidity (operation)     | 20 % ~ 80 %, relative, non-condensing                                 |
| Max. humidity (storage)       | 20 % ~ 80 %, relative, non-condensing                                 |



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