



LEOPARD IMAGING INC

# LI-OV7725-USB-72

## Data Sheet

### Key Features

- Support VGA video streaming
- Super Low Light Sensitivity
- MJPEG compression
- USB 2.0 compliance
- Size: 40mmx30mm
- Low cost with high quality
- Customized based on customer's specs



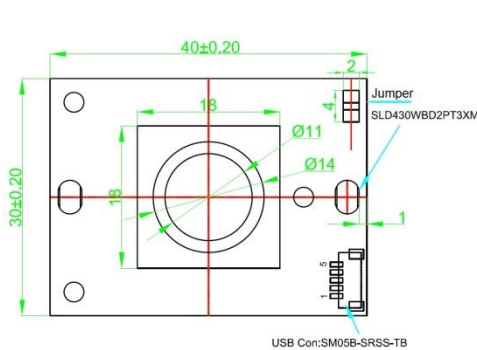
### Lens Specification

- Focusing Range Capability: 60 mm to infinity
- Focal Length: 2.8mm
- F Number: 2.6
- Fov (H): 72 °
- TV Distortion: <-40%
- Sensor: OV7725

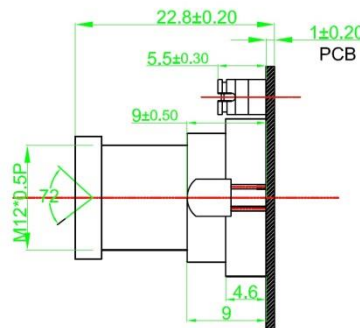
### Interface (SM05B-SRSS-TB)

5 Pin USB Connector (SM05B-SRSS-TB)	
Pin No.	Name
1	USB_5V
2	USB_DM
3	USB_DP
4	NC
5	Shield_Ground

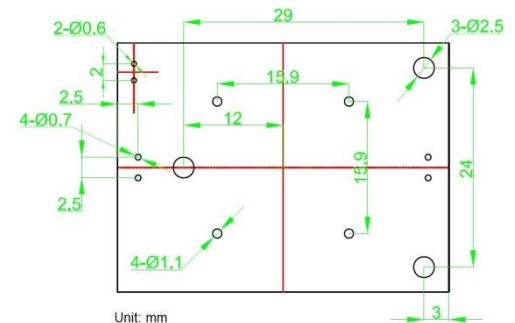
### Dimensions



Top View



Side View



Bottom View



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48820 Kato Road, Suite 100B, Fremont, CA 94538, USA  
 Phone: +1-408-263-0988  
 Fax: +1-408-217-1960  
 Email: sales@leopardimaging.com  
 Website: www.leopardimaging.com

# Specification

General Behavior	
Video Resolution @ Frame rate	1280 x 720 YUV @ 7.5 fps 800 x 600 YUV @ 15 fps 640 x 480 YUV @ 30 fps 352 x 288 YUV @ 30 fps 320 x 240 YUV @ 30 fps 160 x 120 YUV @ 30 fps 1280 x 720 MJPEG @ 12 fps 800 x 600 MJPEG @ 30 fps 640 x 480 MJPEG @ 60 fps 352 x 288 MJPEG @ 30 fps 320 x 240 MJPEG @ 30 fps 160 x 120 MJPEG @ 30 fps
Adjustment	The following can be adjusted manually: Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, White Balance (default: Auto), Backlight Comp, Gain, Exposure (default: Auto).
Interface (Optical)	
Sensor specification	OmniVision OV7725 sensor
Shutter	Rolling
Format	1/4"
Resolution	H:640, V:480
Pixel size	H: 6.0 um, V: 6.0 um
Lens	M12 lens (Default: HFOV 72° )
Interface (Electrical)	
Interface	USB 2.0
Supply voltage	USB 2.0 +5 VDC power source
Current consumption	Approx. 120 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 40 mm, W: 30 mm, H: 23 mm
Mass	8 g
Environmental	
Max. temperature (operation)	0 °C ~ 50 °C (32 °F~ 122 °F)
Max. temperature (storage)	-20 °C ~ 70 °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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