

# Multitouch Sensor Unit

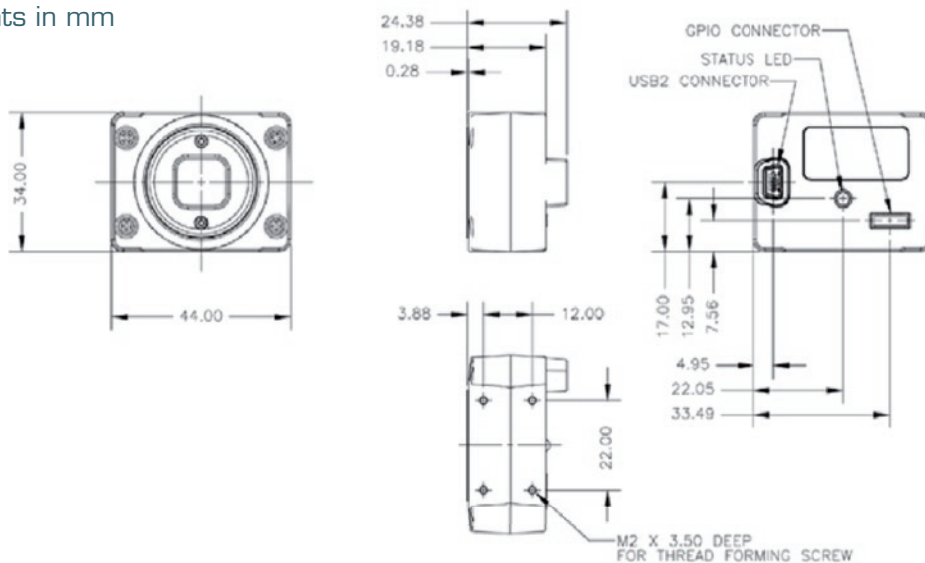
**EVOLUCE MULTITOUCH  
IR SENSING TECHNOLOGY**  
ART. NO MSU

- > Infrared sensor unit including camera
- > Sensor unit provides power and data over one cable which minimizes the need for additional cables or external power sources
- > Ideal for multi-camera Multi-touch applications/installations
- > With metal case enclosure
- > Different CS-Mount lens options:  
2.5 mm, 2.8 mm, 4.0 mm, 6.0 mm



**TECHNICAL DRAWINGS**

Measurements in mm



# Multitouch Sensor Unit

## SPECIFICATIONS CAMERA

Image Sensor Type:	1/3" progressive scan CMOS, global shutter
Maximum Resolution:	752 (H) x 480 (V)
Pixel Size:	6.0 µm x 6.0 µm
Analogue-to-Digital Converter:	On-chip 10-bit ADC
Video Digital Output:	8 and 16-bit digital data
Image Data Formats:	Y8, Y16 (monochrome), 8-bit and 16-bit raw Bayer data (colour models)
Digital Interface:	6-pin IEEE 1394a for camera control, video data, power
Transfer Rates:	400 Mb/s
Maximum Frame Rate:	752x480 at 63 FPS, 320x240 (ROI) at 125 FPS, 320x240 (2x2 pixel binning) at 135 FPS
Partial Image Modes:	pixel binning and region of interest modes via Format_7
General Purpose I/O-Ports:	7-pin JST GPIO connector, 4 pins for trigger and strobe, 1 pin +3.3 V, 1 VEXT pin for external power
Gain:	automatic/manual, 0 dB to 12 dB
Shutter:	Speed automatic/manual, 0.12 ms to 66 ms
Synchronisation:	via external trigger, software trigger or free-running
External Trigger Modes:	8 to 32 V, 1 W at 12 V, via IEEE-1394
Power Consumption:	less than one (1) Watt
Dimensions (L x W x H):	25 x 40 mm (without lens holder or optics)
Mass:	8 g (board level without lens holder or optics)
Memory Storage:	three memory channels for custom camera settings
Lens Mount:	CS-mount ( 5 mm C-mount adapter included)
Emissions Compliance:	Complies with CE rules and Part 15 Class B of FCC Rules
Operating Temperature:	0 to 45 °C
Storage Temperature:	-30 to 60 °C
Warranty:	1 year

For further technical or commercial information please contact us.