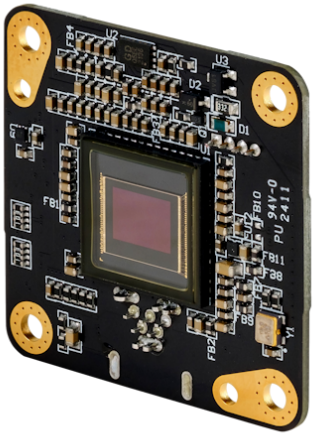


32U Series

DMM 32UR0521-MLA

- AR0521 CMOS Sensor
- 5 MP
- USB3 Vision / UVC compliant
- Trigger and I/Os
- M12x0.5 mount

The 32U series camera DMM 32UR0521-MLA with a onsemi AR0521 sensor delivers 6 frames per second with a resolution of 2592x1944 (5 MP).

32U Series: These next-generation USB 2.0 board-level cameras offer modern camera architecture and are designed for cost-sensitive OEM and streamlined image processing tasks. The cameras feature onsemi sensors and offer a variety of connector options for maximum flexibility in a wide range of space-constrained applications.

The USB3 Vision standard allows for rapid integration into new and existing applications via The Imaging Source's IC Imaging Control 4 SDK as well as most other third-party image processing libraries.

Note: This Data Sheet is intended to provide a summary overview for an individual camera model.
The Imaging Source's website also offers information on spectral sensitivity, dimensional diagrams, sensor data sheets, STEP files as well as our full product catalog. For comprehensive technical information, please refer to the Technical Reference Manual specific to each camera model.
www.theimagingsource.com

1 Quick Facts

General	
Vision Standard	USB3 Vision (UVC compliant)
Dynamic Range	12 bit
Resolution	2592x1944
Frame Rate at Full Resolution	6

Optical Interface	
IR-Cut filter	No
Sensor Type	onsemi AR0521
Shutter Type	Rolling
Sensor Format	1/2.5 inch
Pixel Size	2.2 µm
Lens Mount	M12x0.5

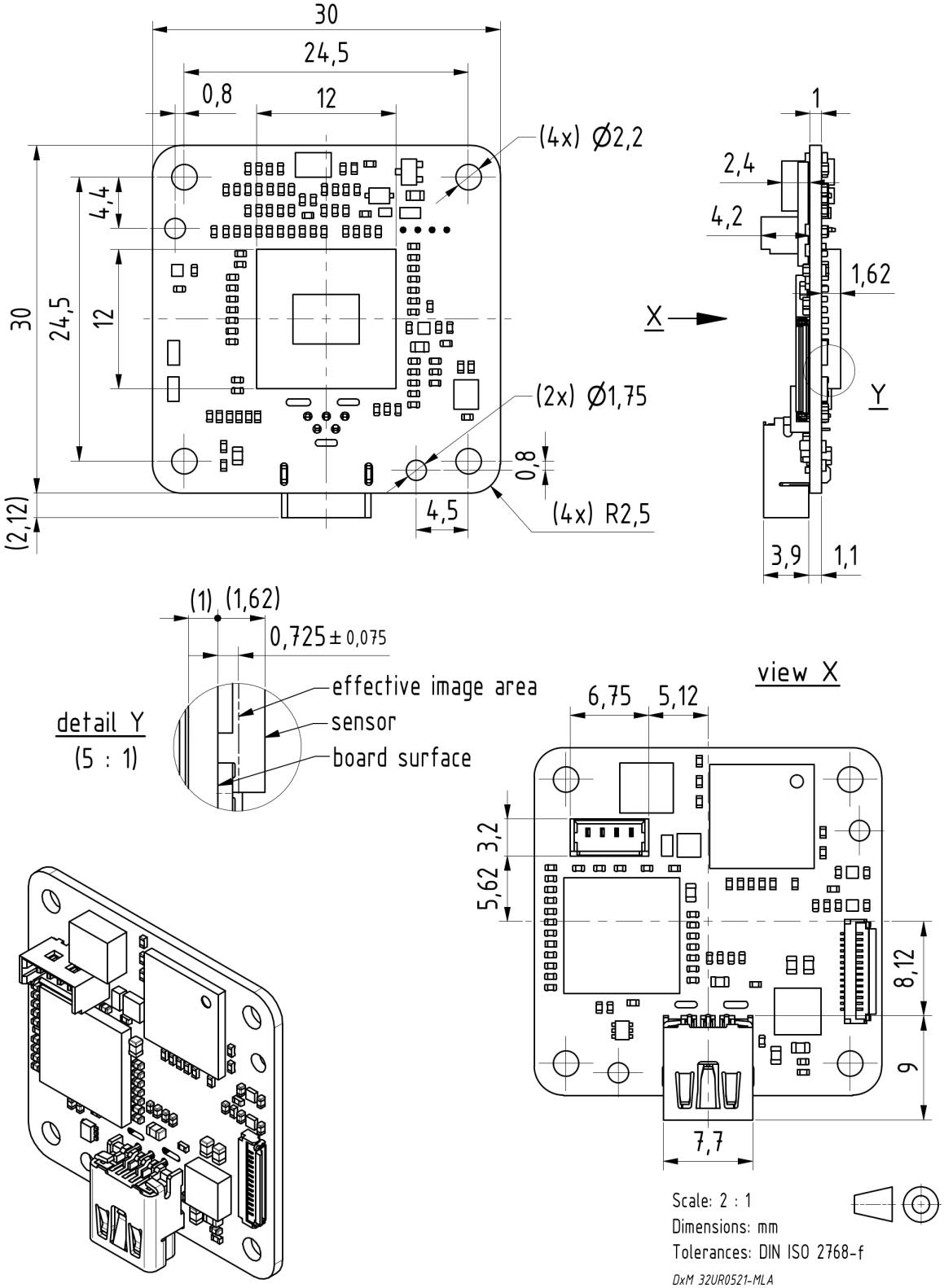
Electrical Interface	
Interface	USB 2
Supply Voltage	4.75 VDC to 5.25 VDC
Current Consumption	approx 310 mA @ 5 VDC

Mechanical Data	
Dimensions	H: 30 mm, W: 30 mm, L: 15 mm
Mass	7 g

Environmental Conditions	
Temperature (operating)	-5 °C to 45 °C
Temperature (storage)	-20 °C to 60 °C
Humidity (operating)	20 % to 80 % (non-condensing)
Humidity (storage)	20 % to 95 % (non-condensing)

2 Dimensional Diagrams

2.1 DMM 32UR0521-MLA



3 Spectral Characteristics

3.1 Spectral Sensitivity - AR0521