Adimec

ADIMEC-2000m

Real time, digital 2-Megapixel monochrome camera for fast machine vision applications

- *1920 x 1080 pixels with up to 32 progressive images per second*

- *Full a-synchronous image capture*

- *Small outline & low power consumption*

- *Unparalleled image quality*

Member of a fully compatible product family sharing a common mechanical, optical, hardware and software interface

Adimec-1000m	Adimec-1600m	Adimec-4000m	Adimec-4020m
1004x1004@50 fps	1600x1200@34fps	2048x2048@16fps	2048x2048@16fps

CAMERA Link™

www.adimec.com

ADIMEC-2000m

Adimec is a prominent international supplier of high performance video cameras for use in machine vision, medical and military applications. Adimec targets OEM companies with a leading position in their market that consider performance and reliability of the product and the supplier to be critically important.

Adimec has over ten years experience translating demanding customer requirements into innovative, reliable and high performance camera products.

Our mission is to provide superior camera products to companies around the world that view image quality and product reliability as essential to their applications.
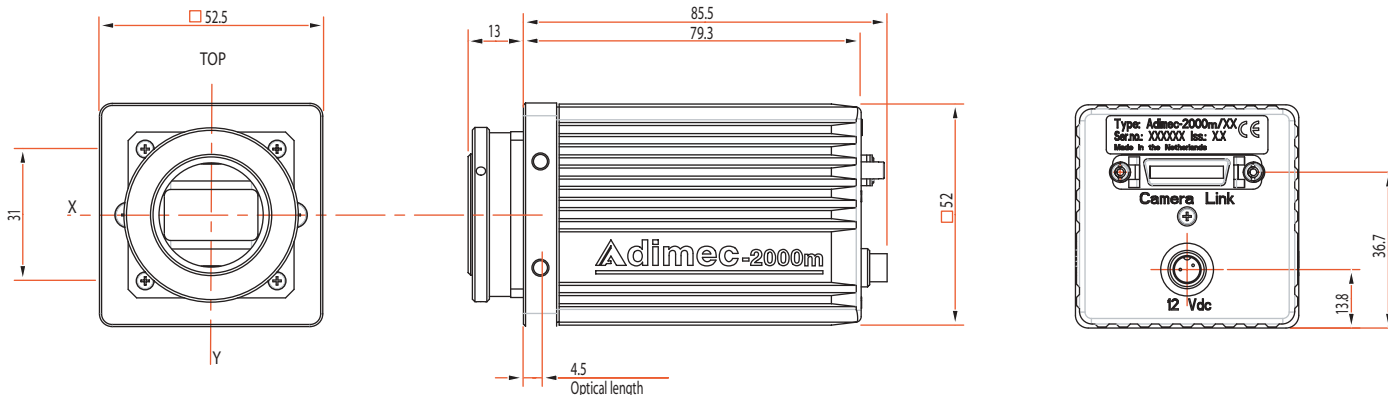
FEATURES

- 1920 x 1080 with 7.4 µm square pixels
- Interline CCD with microlenses with high Blue and NIR response
- Very stable and accurate sensor mounting
- High frame rate
- Excellent channel matching characteristics
- Continuous or asynchronous operation
- Defect pixel correction
- Built-in test signal generator
- Camera Link interface
- Small outline & low power consumption
- High product reliability through rugged design
- Option programmable digital fine gain and/or 12 bit output resolution

APPLICATIONS

- Semiconductor inspection
- Electronics manufacturing
- 2D & 3D metrology

SPECIFICATIONS

Resolution, pixel size	1920 x 1080, 7.4 um square pixels
Frame rate @ full resolution	Adimec-2000m/S, up to 17 progressive fps via a single tap output
	Adimec-2000m/D, up to 32 progressive fps via dual tap output
Sensitivity @33ms	1x Gain 6 Lux
100% video	8x Gain 0.75 Lux
Spectral Response	350 nm 25%, 500 nm 42%, 700 nm 20%
Dynamic range	> 60 dB
Gain range	1, 2, 4 or 8 times
	Optional DFG (1 to 8x in steps of 0.01)
MTF	50% contrast @ 67 lp/mm (limiting resolution)
Power input range, dissipation	< 6 W @10.5 to14 Vdc input
Data format	CameraLink,
(single/dual channel,	Base configuration@CameraLink spec 1.0
8, 10, optional 12 bit, 40 MHz)	
Lens mount	Adjustable C- mount, other mounts on request
Size	52.5 mm x 52.5 mm x 79.3 mm
Weight	250 grams
Operating temperature range	-10°C to + 40°C
Shock	10 g, half sine shape, 6-10 ms duration
Vibration	3 g, sinusoidal vibration sweeps 5-150 Hz
Compliance CE/UL	CE compliant

ADIMEC:

Adimec is a leading worldwide supplier of high performance, innovative, and reliable camera products for use in:

- Machine Vision
- Medical Imaging
- Military Targeting and Observation

Adimec's mission is to serve leading OEM's around the world who view quality and reliability as essential to their success.

Contact us today to find out why top corporations rely on Adimec.

Visit our website: www.adimec.com