

THE GO SERIES! Now available from Multipix Imaging



See the possibilities

Compact industrial area scan cameras
at a great price/performance point...small in size, big on possibilities!



...now with Sony IMX250MZR
four-directional on-chip polarizer!



Machine Vision Technology Specialists

TWO MODELS: GO-5100MP-USB & GO-5100MP-PGE



See the possibilities

USB[®]
VISION

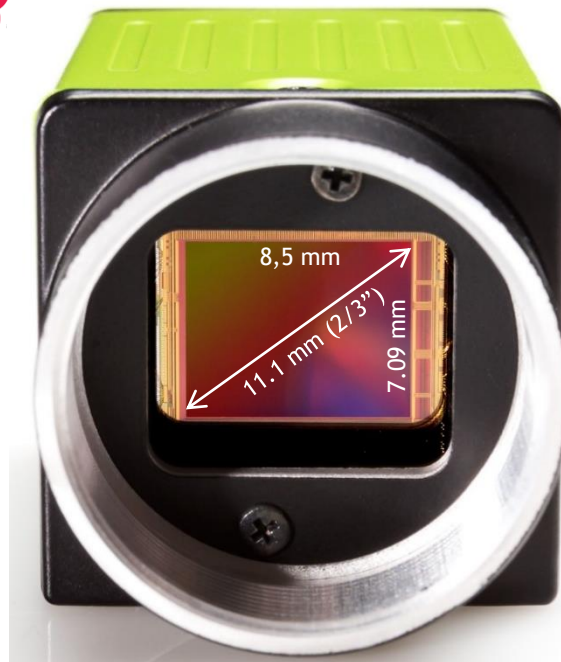
GiGE[®]
VISION

GO
SERIES
POLARIZED

CMOS

Global shutter

C-Mount



5.1 megapixels

2464 x 2056 pixels

3.45 μm x 3.45 μm

Polarization:

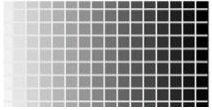
On-chip nano wire grids with angles at 0,45,90,and135°

THE FUNDAMENTAL PROPERTIES OF LIGHT

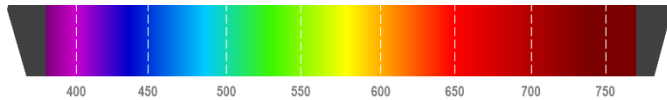


See the possibilities

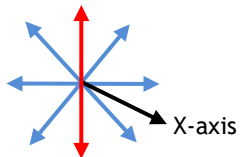
Amplitude (Brightness/Intensity)



Wavelength or Frequency (Color)

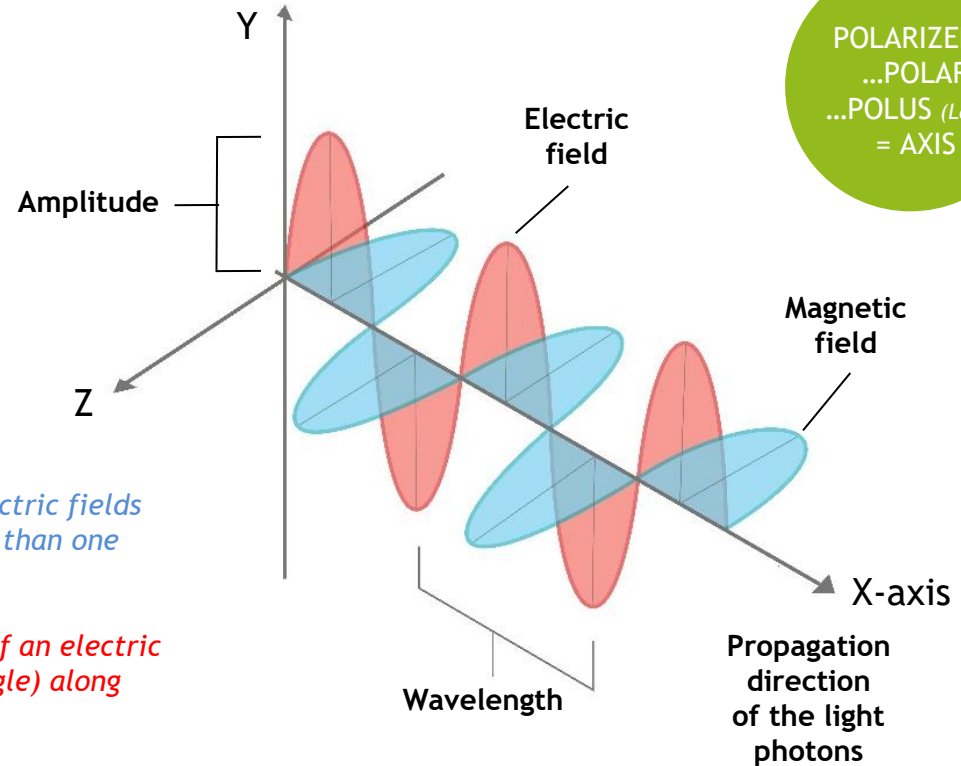


Polarization (vibration plane)



Un-polarized light consists of electric fields that oscillates randomly in more than one plane (angles) along the x-axis.

Polarized (linear) light consists of an electric field oscillating in one plane (angle) along the x-axis.



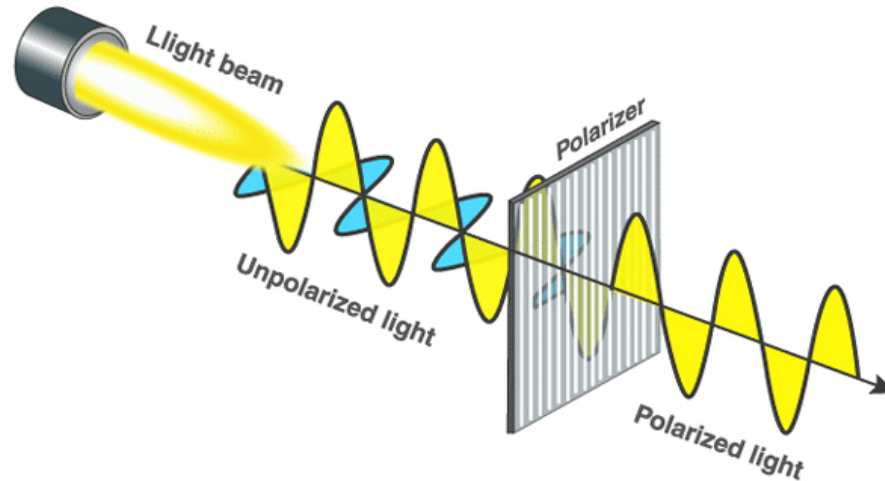
POLARIZED...
...POLAR
...POLUS (*Latin*)
= AXIS

THE FUNDAMENTAL PROPERTIES OF LIGHT



See the possibilities

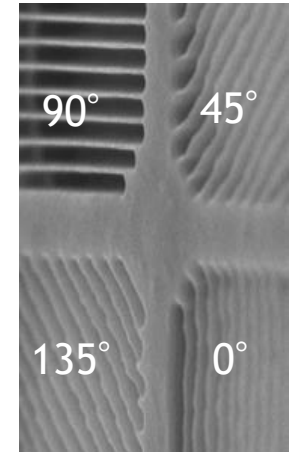
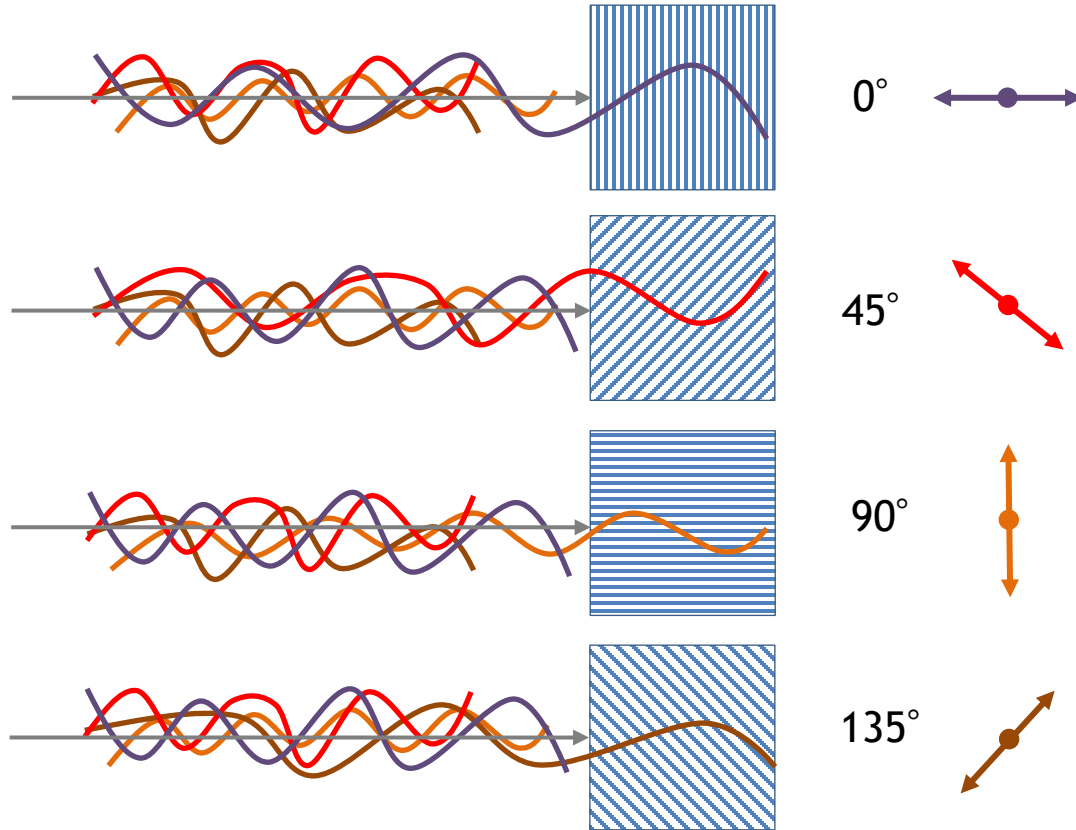
Many common light sources such as sunlight, halogen lighting, LED spotlights, and incandescent bulbs produce un-polarized light.



POLARIZATION DETECTION BY NANO-GRID VIBRATION



See the possibilities

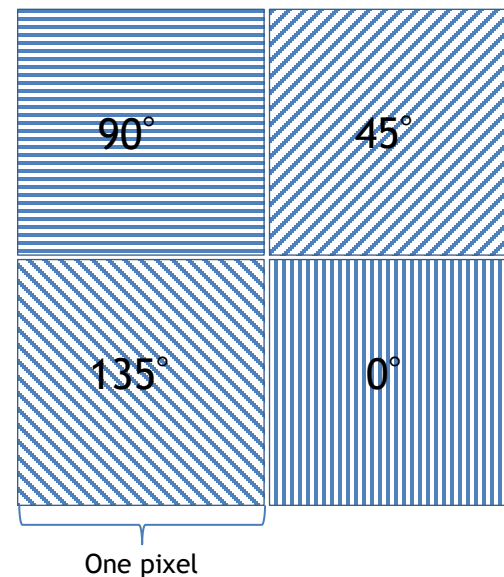
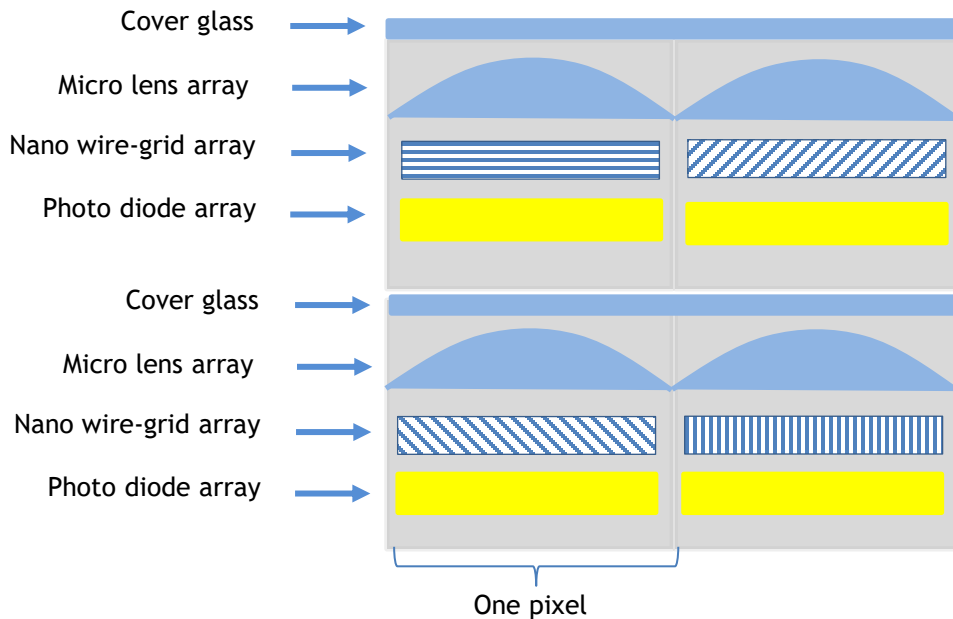
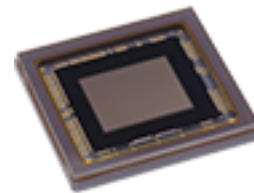


POLARIZATION IMAGING WITH THE SONY IMX250MZR



See the possibilities

Sony IMX250MZR



Four-pixels clusters are used as calculation blocks

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Call or email for further information & advice on when and how to use polarization.

01730 233332

sales@multipix.com

support@multipix.com