

Infrared Optical Microscope with InGaAs Camera and LED sources

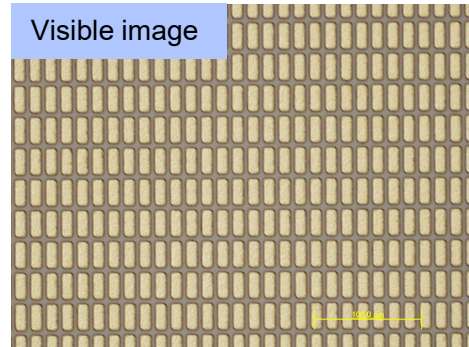
Equipped with LED ring illuminator for dark-field and coaxial epi-illuminator for bright-field.



Infrared microscope NVU3VL-MS2

Metal electrode on silicon substrate (9x24 μ m)

Visible image



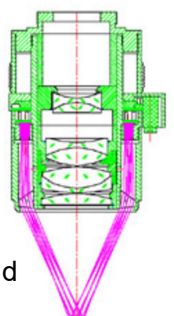
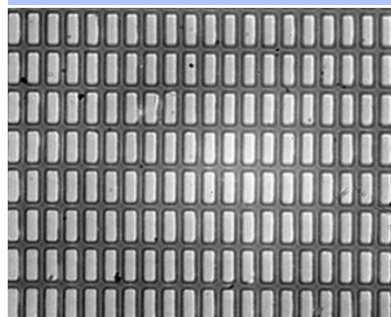
Visible image from back



Dark field IR image from back



Bright filed IR image from back



Light path for the dark-field objectives with ring LEDs

Camera	
Number of Pixels Pitch	640×513, 15 μ m
Wavelength Range	970~1650nm
Picture Format	16bit gray scal png, tiff, csv (selectable from viewer)
Frame Rate	10~60fps rolling shutter
Digital I/F	USB3.0 Vision
Optical microscope	
Magnification	Infrared objective lens M Plan Apo NIR \times 20, \times 10, \times 5
Working Distance	Parfocal distance 95mm Working distance:20mm (in case of NIR \times 20)
Field of View	420x350 μ m (in case of NIR \times 20)
Illumination Source	for Bright field:High power single LED with plastic guide ~ 20mW 1300nm or1450nm for Dark filed: 24 pieces ring LED 1300nm or1450nm (950nm,1050,1250,1550nm and 1650nm are available on request)
Power Supply	12V, 0.75A AC Adaptors for camera and illumination devices