National Award for
Outstanding Entrepreneurship - 2010

National Award for
Quality Products - 2002

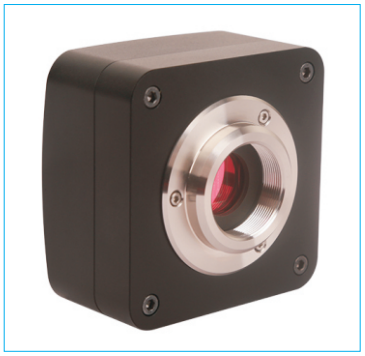
Vaiseshika®

Where Quality and Standards Meet

IMAGE CAPTURING DEVICES : MICROSCOPY CAMERAS: 7001-3N

Description:

Vaiseshika offers a range of cost effective cameras with very good color reproduction and high speed working. Its driver software algorithm makes perfect color reproduction. These devices can be widely used in Industrial inspections, Microscopy observations, Machine vision & Astronomical applications.



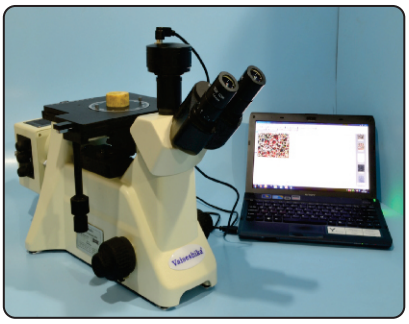


Image Capturing Device
Mounted On Microscope

Specification :	*7001-3N (3 Megapixels)*
Sensor	1/2" Color, CMOS
Sensor Resolution	2048x1536, 3 Mpix
Pixel Size	3.2µm x 3.2µm
Sensitivity	>1.0V/lux-Sec 550nm
Dynamic Range	61 dB
S/N Ratio Max.	43 dB
Exposure Time	0.244ms-2000ms
Frame Rate	8fps@2048x1536 22fps@1024x768 43fps@680x510
Spectral Response	380-650nm
Readout Noise	12 e-
Scan Mode	Progressive Scan
Shutter	Electronic
Optional Interface	C/CS mount
Data Interface	USB2.0 (480 Mbit/Sec)
Power Supply	DC 5V over PC USB Port
Operating Temp.	0^{0}C - 60^{0}C
Operating Humidity	30%-80% RH
Operating System	Windows XP/7/8/10(32/64 bit)

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IMAGE CAPTURING DEVICES : MICROSCOPY CAMERAS: 7001-5N

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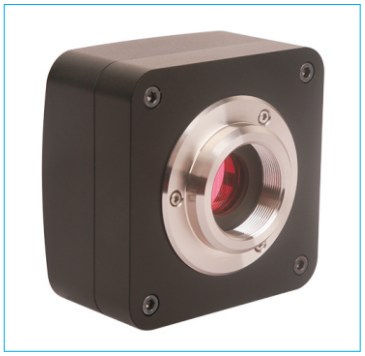

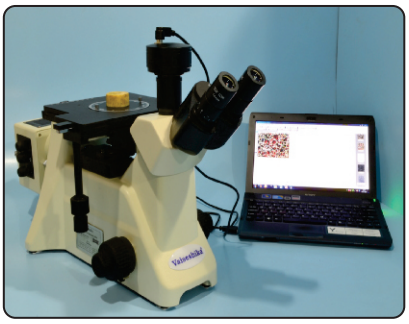

Image Capturing Device
Mounted On Microscope

Specification :	*7001-5N (5 Megapixels)*
Sensor	1/2.5" Color, CMOS
Sensor Resolution	2592x1944, 5Mpix
Pixel Size	2.2µm x 2.2µm
Sensitivity	0.53 V/lux-sec 550nm
Dynamic Range	66.5 dB
S/N Ratio Max.	40.5 dB
Exposure Time	0.294ms-2000ms
Frame Rate	5fps@2592x1944 18fps@1280x960 60fps@640x480
Spectral Response	380-650nm
Readout Noise	8 e-
Scan Mode	Progressive Scan
Shutter	Electronic
Optional Interface	C/CS mount
Data Interface	USB2.0 (480 Mbit/Sec)
Power Supply	DC 5V over PC USB Port
Operating Temp.	0^{0}C - 60^{0}C
Operating Humidity	30%-80% RH
Operating System	Windows XP/7/8/10(32/64 bit)

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IMAGE CAPTURING DEVICES : MICROSCOPY CAMERAS: 7001-10N

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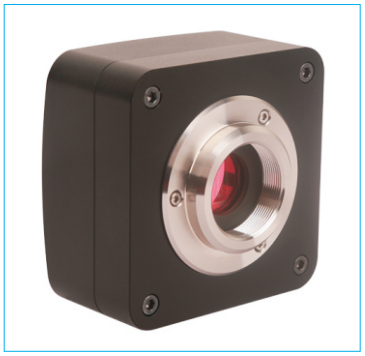

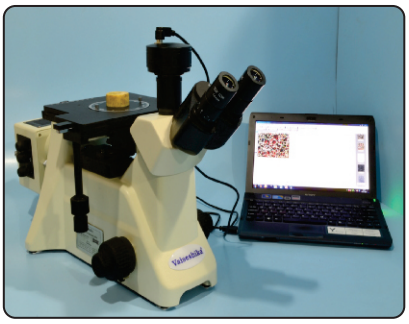

Image Capturing Device
Mounted On Microscope

Specification :	*7001-10N (10 Megapixels)*
Sensor	1/2.3" Color, CMOS
Sensor Resolution	3584x2748, 10Mpix
Pixel Size	1.67µm x 1.67µm
Sensitivity	0.31 V/lux-sec 550nm
Dynamic Range	65.2 dB
S/N Ratio Max.	34 dB
Exposure Time	0.4ms-2000ms
Frame Rate	1.9fps@3584x2748 8fps@1792x1374 27fps@896x684
Spectral Response	380-650nm
Readout Noise	7 e-
Scan Mode	Progressive Scan
Shutter	Electronic
Optional Interface	C/CS mount
Data Interface	USB2.0 (480 Mbit/Sec)
Power Supply	DC 5V over PC USB Port
Operating Temp.	0°C - 60°C
Operating Humidity	30%-80% RH
Operating System	Windows XP/7/8/10(32/64 bit)

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IMAGE CAPTURING DEVICES : MICROSCOPY CAMERAS: 7001-14N

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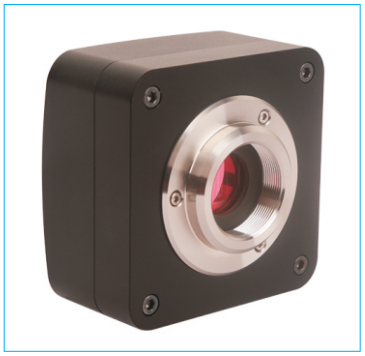

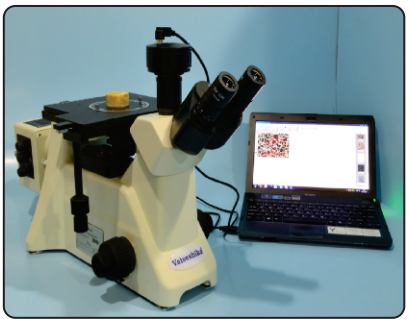

Image Capturing Device
Mounted On Microscope

Specification :	7001-14N (14 Megapixels)
Sensor	1/2.3" Color, CMOS
Sensor Resolution	4096x3288, 14 Mpix
Pixel Size	1.4µm x 1.4µm
Sensitivity	0.724 V/lux-sec 550nm
Dynamic Range	65.3 dB
S/N Ratio Max.	35.5 dB
Exposure Time	0.4ms-2000ms
Frame Rate	1.8fps@4096x3288 10fps@2048x1644 27fps@1024x822
Spectral Response	380-650nm
Readout Noise	7 e-
Scan Mode	Progressive Scan
Shutter	Electronic
Optional Interface	C/CS mount
Data Interface	USB2.0 (480 Mbit/Sec)
Power Supply	DC 5V over PC USB Port
Operating Temp.	0°C - 60°C
Operating Humidity	30%-80% RH
Operating System	Windows XP/7/8/10(32/64 bit)