



**iCube** 

NS1500BUM | NS1500CUM  
KS1500BUM | KS1500CUM

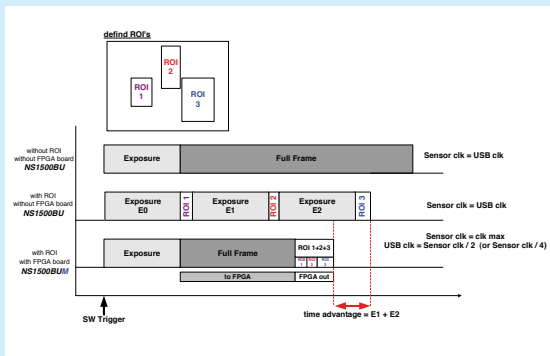
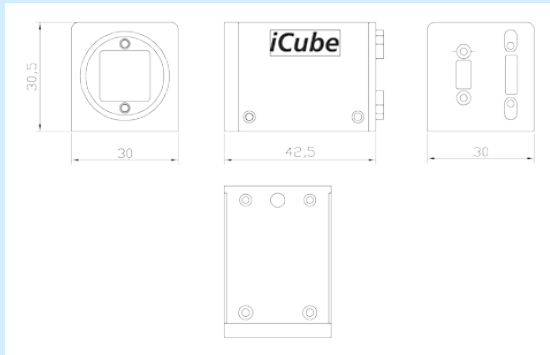
**net**   
NEW ELECTRONIC TECHNOLOGY

# TECHNICAL DATA



NS1500BUM | NS1500CUM | KS1500BUM | KS1500CUM

- Up to 5 ROI with one exposure in one data package
- Integrated FPGA multiple roi
- 1/2.5" progressive scan CMOS image sensor
- Resolution 2592 (H) x 1944 (V), QSXGA, 5.0 mega pixel
- Rolling shutter with global reset
- Industrial and OEM version
- External trigger
- Camera setting via USB2.0 interface
- C-/CS-mount, optional S-mount
- Driver, viewer and SDK included



## FEATURES

- Integrated FPGA/RAM
- Multiple ROI (up to 5) with one exposure ROI (trigger)
- Optimized data size 5 ROI in one package
- Lower amount of time for data transfer

	INDUSTRIAL BOARD	NS1500BU	NS1500CU
Resolution (H x V) [px]		2592 x 1944 / QSXGA	
Sensor		CMOS	
Image sensor		MT9P031	MT9P001
Sensor size		1/2.5"	
Pixel size [µm]		2.20 x 2.20	
Frame rate [fps]		6	
Shutter		rolling with global reset	
Shutter speed		0.074 ms - 77 s	0.075 ms - 50 s
Dynamic range [dB]		70	67
Binning		2x2 / 4x4	
Skipping		1280 x 960 / 640 x 448	
Aspect ratio		4:3	
Gain [dB]		18	
Lens		C- / CS-mount	
Scanning system		progressive scan	
Trigger		external / software	
Strobe		yes	
GPIO		1x	
Interface		USB2.0 / 480 Mbps	
Dimension (WxHxD) [mm]		industrial: 30 x 30.5 x 42,5	
USB connection		mini-BUSB	
Digital I/O connection		8 pin lockable	
Power consumption [W]		< 1.5	
Operating temperature		-5 to +45° C	

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