

# 1.3M / 5Mega Pixel USB 3.0 Camera 210fps, 270fps / 70fps CMOS

## High-Speed 1.3M / 5M Global Shutter CMOS

BIT-CMU3-M1300P (1.3M/210fps Mono) BIT-CMU3-C1300P (1.3M/210fps Color)  
BIT-CMU3-M5000AN (5M/70fps Mono) BIT-CMU3-C5000AN (5M/70fps Color)

**BIT-CMU3-M1300L (1.3M/270fps Mono) – Coming Soon!!**

The highly integrated vision camera with dual-core ARM Cortex CPU inside.  
More flexible, more intelligent and more performance.



### Product Features

● 1.3M

210fps @ 1280(H) X 1024(V)  
Pixel Size 4.8 $\mu$ m X 4.8 $\mu$ m  
1/2" Global Shutter CMOS  
ON Semi. NOIP1SN1300A

● 1.3M

270fps @ 1280(H) X 1024(V)  
Pixel Size 6.6 $\mu$ m X 6.6 $\mu$ m  
2/3" Global Shutter CMOS  
Luxima LUX1310S

● 5M

70fps @ 2560(H) X 2048(V)  
Pixel Size 5 $\mu$ m X 5 $\mu$ m  
1" Global Shutter CMOS  
Anafocus LINC5M

## High Speed Area Scan Camera

With USB 3.0 5Gbps Interface

Features / Type	5 Mega Pixels (Anafocus)	1.3 Mega Pixels (ON Semiconductor)	1.3 Mega Pixels (LUXIMA)
Resolution (H x V)	2560(H) x 2048(V)	1280(H) x 1024(V)	1280(H) x 1024(V)
Pixel Size	5um	4.8um	6.6um
Frame Rate	70 FPS	210 FPS	270 FPS
Mono / Color	Monochrome / Color		
Interface	USB 3.0 Super Speed		
Video Output Format	Mono 8/10/12 Bayer RGB 8/10/12	Mono 8/10 Bayer RGB 8/10	Mono 8/10/12 Bayer RGB 8/10/12
Pixel Bit Depth	8-bit/10-bit/12-bit	8-bit/10-bit	8-bit/10-bit/12-bit
Signal to Noise Ratio (SNR max)	42 dB	40 dB	42.3 dB
Dynamic Range	> 60 dB in global shutter mode		
Synchronization	External trigger / Internal trigger / Free run		
Exposure Control	Software programmable external trigger signal		
Dimensions (L x W x H)	Aluminum 40.5 x 46 x 49mm		
Lens Mount	CS-mount		
Digital Input / Output	2 Opto-isolated Input / 2 Opto-isolated Output		
Power Consumption (typical)	4.5W	3.6W	3.8W
Weight (typical)	160g	130g	140g
Sensor Technology / Shutter	Progressive Scan CMOS with Global Shutter		
Sensor Size (optical)	1 inch	1/2 inch	2/3 inch
Operating Temperature	0°C~+50°C		
Power Input	DC9~24V		