

# SkyCAM USB3 Series

## Ultra Compact Camera Size with USB3 Interface



- Newest Global & Rolling Shutter CMOS Image Sensor
- Cost-effective due to the ultra-small optical format
- Ultra-compact camera size with screw lock USB connector
- Support USB 3.0 bus powered without external power
- Additional external power supply can be used when using a longer cable or AOC cable
- USB3 Vision & GenICam conformity
- Camera control// image acquisition by Bestintech SDK

<p><b>SkyCAM</b></p> <p><b>Series</b> SkyCAM=SkyCAM Series Highspeed Camera</p>	<p><b>AC</b></p> <p><b>Line/Area &amp; Mono/Color</b> AM = Area Scan Mono AC = Area Scan Color</p>	<p><b>U3</b></p> <p><b>Interface</b> U3 = USB3</p>	<p><b>ON</b></p> <p><b>Sensor Brand</b> ON = On Semi</p>	<p><b>5M</b></p> <p><b>Pixel</b> 5M = 5MP</p>	<p><b>60</b></p> <p><b>Frame Rate</b> 60 = 60fps</p>	
<p><b>SkyCAM</b></p> <p><b>Series</b> SkyCAM=SkyCAM Series Highspeed Camera</p>	<p><b>AM</b></p> <p><b>Line/Area &amp; Mono/Color</b> AM = Area Scan Mono AC = Area Scan Color</p>	<p><b>U3</b></p> <p><b>Interface</b> U3 = USB3</p>	<p><b>EV</b></p> <p><b>Sensor Brand</b> EV = e2v</p>	<p><b>5M</b></p> <p><b>Pixel</b> 5M = 5MP</p>	<p><b>70</b></p> <p><b>Frame Rate</b> 70 = 70fps</p>	<p><b>H</b></p> <p><b>Horizontal Installation Type</b></p>

<p>• SkyCAM AMU3 - EV5M70 / CA5M60 / ON5M70 / ON2M140 ACU3 - ON5M70</p>	<p>• SkyCAM AMU3 - ON5M67 / ON1M254 ACU3 - ON5M67</p>	<p>• SkyCAM AMU3 - EV5M70H / CA5M60H / ON5M70H / ON2M140H ACU3 - ON5M70H</p>	<p>• SkyCAM AMU3 - ON5M67H / ON1M254H ACU3 - ON5M67H</p>
---	---	--	--

Features / Model	SkyCAM AMU3-EV5M70	SkyCAM AMU3-CA5M60	SkyCAM AMU3-CA5M70	SkyCAM AMU3-ON5M70	SkyCAM ACU3-ON5M70	SkyCAM AMU3-ON2M140	SkyCAM AMU3-ON5M67	SkyCAM ACU3-ON5M67	SkyCAM AMU3-ON1M254
<b>CMOS Sensor</b>	Teledyne e2v Lince5M	Canon 3U5MGX	Canon LI5040	On Semi. XGS5000		On Semi. XGS2000	On Semi. AR0521 On Semi. AR0522 (NIR+)		On Semi. AR0134
<b>Resolution (HxV)</b>	2560 x 2048	2592 x 2048		2592 x 2048		1920x 1200	2560 x 1944		1280 x 960
<b>Pixel Size</b>	5µm	3.4µm		3.2µm		3.2µm	2.2µm		3.75µm
<b>Sensor Technology / shutter</b>	Global Shutter	Global Shutter		Global Shutter		Global Shutter	Rolling Shutter		Global Shutter
<b>Sensor Size (optical)</b>	1 Inch	2/3 Inch		2/3 Inch		1 / 1.25 Inch	1 / 2.5 Inch		1 / 3 Inch
<b>Frame Rate</b>	70 fps	60 fps	70 fps	70 fps		140 fps	67 fps		54 fps @ Free Run 50 fps @ Ext. Trigger
<b>Mono / Color</b>	Monochrome	Monochrome		Monochrome	Color	Monochrome	Monochrome	Color	Monochrome
<b>Video Output Format</b>	Mono 8/10	Mono 8/10		Mono 8/10/12	Bayer 8/10	Mono 8/10/12	Mono 8/10	Bayer 8/10	Mono 8/10/12
<b>Analog Gain</b>	1/2/4x	1/2/4/8/16x		1/2/4x		1/2/4x	1 ~ 12x		1/2/4/8x
<b>Digital Gain</b>	0.01 ~ 16x								
<b>Flat Field Correction</b>	Pixel Based								
<b>Output Interface</b>	Micro-B with Screw Locking								
<b>Output Standard</b>	USB3 Vision								
<b>Signal to Noise Ration</b>	42 dB	40 dB		40 dB		40 dB	40 dB		38dB
<b>Synchronization</b>	External Trigger / Software Trigger / Free Run								
<b>Exposure Control</b>	Programmable 1µS ~ 10S	Programmable 12µS ~ 4S		Programmable 12µS ~ 10S		Programmable 12µS ~ 10S	Programmable 8µS ~ 10S		Programmable 19µS ~ 10S
<b>Dimensions(L x W x H)</b>	32 x 29 x 43.6 mm H : 32 x 32 x 48 mm (without lens adapter and connectors)					32 x 29 x 42.9 mm H : 32 x 31.34 x 48 mm (without lens adapter and connectors)			
<b>Lens Mount</b>	C-Mount / CS-Mount								
<b>Digital Input / Output</b>	2 Opto-isolated Input / 2 Opto-isolated Output								
<b>Power &amp; I / O Connector</b>	Screwless & Pluggable Terminal Block								
<b>Power Consumption (typical)</b>	4.5W @ USB 5V	3.3W @ USB 5V		3.65W @ USB 5V		3.6W @ USB 5V	3W @ USB 5V		2.8W @ USB 5V
<b>Weight(typical)</b>	62g / H:70g (Horizontal Installation Type)								
<b>Operating Temperature</b>	-20 to +60°C (housing temperature)								
<b>Power Input</b>	USB 3.0 Bus Powered or External DC 9V~26V								

