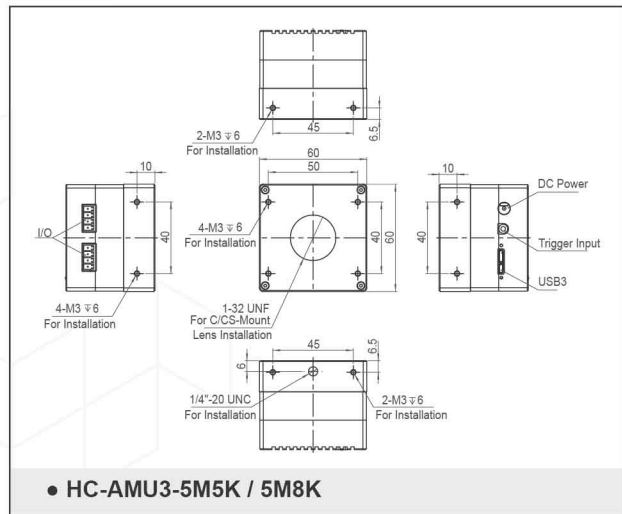


# New Generation High Speed Camera

- First affordable professional high speed camera in the market
- Global shutter with no image delay, maximum frame rate reaches 8,960fps
- Resolution 2,560 x 2,048 max. for acquiring high resolution images
- Plug and play USB3 interface cooperate with software that can record, play and file convert
- Remote control cable available, RS-422/TTL external trigger allows synchronizing multi-cameras



<b>HC</b>	<b>AM</b>	<b>U3</b>	<b>5M</b>	<b>5K</b>
<b>Series</b> HC=Highspeed Camera	<b>Area &amp; Mono</b> AM = Area Scan Mono	<b>Interface</b> U3 = USB3	<b>Pixel</b> 5M = 5MP	<b>Frame Rate</b> 5K = 5000fps 8K = 8000fps



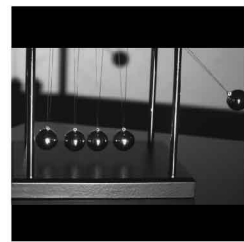
2500 FPS



3000 FPS



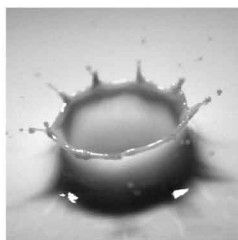
950 FPS



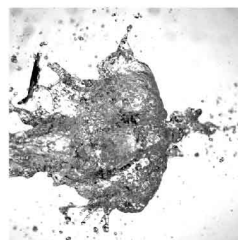
500 FPS



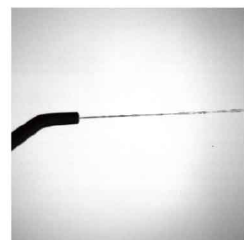
200 FPS



5000 FPS



1000 FPS



3000 FPS

Features / Model	HC-AMU3-5M5K / HC-AMU3-5M8K		
Sensor	5 Mega-pixel, 1-inch Optical Format Global Shutter CMOS Sensor		
Maximum Resolution(H xV)	2560 x 2048		
Maximum FPS	4555 FPS (5M5K model) 8960 FPS (5M8K model)		
Resolution vs FPS	Ratio		
	5:4	16:9	5:2
	2560 x 2048 @ 70 FPS 1920 x 1536 @ 120 FPS 1280 x 1024 @ 280 FPS 800 x 640 @ 715 FPS 640 x 512 @ 1120 FPS 320 x 256 @ 2480 FPS	2560 x 1440 @ 99 FPS 1920 x 1080 @ 175 FPS 1280 x 720 @ 395 FPS 800 x 450 @ 1010 FPS 640 x 360 @ 1590 FPS 320 x 180 @ 3398 FPS	2560 x 1024 @ 140 FPS 1920 x 768 @ 245 FPS 1280 x 512 @ 560 FPS 800 x 320 @ 1432 FPS 640 x 256 @ 2240 FPS 320 x 128 @ 4555 FPS
	320 x 256 @ 4480 FPS (5M8K model only)	320 x 180 @ 6370 FPS (5M8K model only)	320 x 128 @ 8960 FPS (5M8K model only)
Minimum shutter	1μS		
Analog Gain Control (Light Sensitivity)	1x / 2x / 4x / 8x / 16x / 32x / 64x for ISO100~6400		
Digital Gain Control	0.01 ~16x		
Pixel Size	5μm square pixels		
Standard Memory	Video stored on host PC		
PC Software	HiBestViewer - Capture images, view and play back a series of stored images.		
Compatible PC	-Above i3 CPU, 8GB RAM, USB 3.0 (USB 3.1/3.2 Gen1) -Win7, Win8, Win10 & Win11		
Video Output	MPEG2(*.mpg) / H.264(*.mp4)		
Image Outout	Bitmap(*.bmp) / JPEG(*.jpg) / PNG(*.png)		
Upgradable	USB 3.0 (USB 3.1/3.2 Gen1) field upgradable		
Power Input	External DC 9V~24V		
Camera Control	USB 3.0 (USB 3.1/3.2 Gen1) Super Speed		
Trigger Input	Remote Trigger Cable IN1: TTL/RS-422 from expansion I/O connector		
Trigger Output	OUT1: Trigger IN1 bypass for multi-camera trigger synchronization OUT2: Exposure indicator signal for lighting strobe control		
Display or LED	Dual Color LED		
Compatible Lens	C-Mount / CS-Mount		
Housing	Aluminum		
Size	60(L) X 60(W) X 50(H) mm		
Weight	258g exclusive of lens		
Operating Temperature	0~40°C (non-freezing)		
Operating RH%	20~80% RH (non-condensing)		
Storage Temperature	-20~60°C(non-freezing)		
Storage RH%	20~95% RH (non-condensing)		