

# Jenoptik Gryphax Cameras



## JENOPTIK CAMERAS

Gryphax cameras use a next generation **scientific CMOS** sensor with a global shutter and a simple **USB3** interface. All the cameras in this family provide a live image at **1920x1200** with at least 30 frames per second. This is **2X to 4X faster** than current CCD cameras and **4X resolution**.

## THREE AVAILABLE MODELS

The flagship **Prokyon** model offers a special 20 megapixel mode through pixel-shifting in addition to the native live image at 1920x1200 60 fps with fanless cooling. The **Kapella** camera keeps the fanless cooling but saves money by removing the 20 megapixel imaging mode. The **Subra** model is even more economical than the Kapella by removing the fanless cooling.

## ADVANCED FEATURES

Jenoptik cameras provide a number of unique features. One of the most important is **live image background correction**. This feature removes subtle variations in brightness across the field of view. This feature improves the quality of whole slide scans and makes segmentation faster and more accurate.

	JENOPTIK PROKYON	JENOPTIK KAPELLA	JENOPTIK SUBRA
<b>Model Number</b>	KIT1-PRO	KIT1-KAP	KIT1-SUB
<b>Sensor Specifications</b>			
<b>Sensor Model</b>	Sony IMX174	Sony IMX174	Sony IMX174
<b>Sensor Design</b>	Scientific CMOS	Scientific CMOS	Scientific CMOS
<b>Sensor Size</b>	1920x1200	1920x1200	1920x1200
<b>Max Frame Rate</b>	120fps	60fps	30fps
<b>Pixel Size</b>	5.8 microns	5.8 microns	5.8 microns
<b>Image Specifications</b>			
<b>Capture Resolutions</b>	5760x3600 3840x2400 1920x1200 1280x960	1920x1200 1280x960	1920x1200 1280x960
<b>Exposure Control</b>	26 us to 60 s	26 us to 60 s	26 us - 30 s
<b>Cooling</b>	Fanless	Fanless	N/A
<b>Gain Control</b>	1X - 30X	1X - 30X	1X - 10X
<b>Exposure Control</b>	Auto Exposure	Auto Exposure	Auto Exposure
<b>Color Correction</b>	Auto White Balance	Auto White Balance	Auto White Balance
<b>Data and Power Interface Specifications</b>			
<b>Bit Depth</b>	8bits / channel + HDR	8bits / channel + HDR	8bits / channel + HDR
<b>Bus Type</b>	USB3.0	USB3.0	USB3.0
<b>Power</b>	4.5W	4.5W	4.5W
<b>Mounting and Physical Specifications</b>			
<b>Microscope Adapter</b>	0.7X C-Mount Adapter	0.7X C-Mount Adapter	0.7X C-Mount Adapter
<b>Dimensions</b>	85mm x 75mm x 50mm	85mm x 75mm x 50mm	85mm x 75mm x 50mm
<b>Mass</b>	420g	400g	400g
<b>Warranty Information</b>			
<b>Warranty Term</b>	24 months	24 months	24 months