

Stingray F-033B ½" CCD Monochrome Camera

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+

€714⁹⁵

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SPECIFICATIONS

General

	Type:
Monochrome Camera	
	Model Number:
F-033B	

Allied Vision	Manufacturer:
Stingray	Camera Series:
Monochrome	Spectrum:
Physical & Mechanical Properties	
57.5 x 44 x 29 (excludes connectors and lens mount)	Dimensions (mm):
120	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
1/2"	Sensor Format:
0.30	Resolution (Megapixels):
84.00	Frame Rate (fps):
656 x 492	Pixels (H x V):
9.9 x 9.9	Pixel Size, H x V (µm):
6.4 x 4.8	Sensing Area, H x V (mm):
Sony ICX414	Imaging Sensor:
Progressive Scan CCD	Type of Sensor:
Global	Shutter Type:
8/14 bit	Pixel Depth:
Programmable via IEEE-1394 bus	Exposure Time:
Not Specified	Dynamic Range (dB):
IIDC Standard v1.31	Machine Vision Standard:
Electrical	
<3.5 (12VDC External Power Supply)	Power Consumption (W):
Hardware & Interface Connectivity	
FireWire.b	Interface:
FireWire, IEEE 1394b	Connector:
Power over FireWire, or with Power Supply Sold Separately. USA: #15-281 Europe: #15-281 Japan: #15-281 China: #15-281	Power Supply:
2 configurable inputs, 4 configurable outputs	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
12-pin Hirose (HR10)	GPIO Connector Type:
Supplied via IEEE-1394.b cable or 12-pin Hirose	Power Requirement:
Threading & Mounting	
C-Mount	Mount:
	Mounting Threads:

Environmental & Durability Factors

+5 to +45	Operating Temperature (°C):
-10 to +70	Storage Temperature (°C):

Regulatory Compliance

Compliant	RoHS 2015:
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View	Certificate of Conformance:
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Compliant	Reach 240:
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PRODUCT DETAILS

- Excellent Price/Performance Ratio
- High bit-depth (14-bit or 8-bit output, user-selectable)
- VGA(640 x 480) – 5MP Resolutions Available

The Allied Vision Stingray FireWire.b Camera is a part of the Allied Vision Stingray camera family, which offers high-performance cameras that utilize a high-speed IEEE-1394-b interface at an economical price. Using Sony CCD sensors, 14-bit depth output, and on-board SmartFeatures allows for greater flexibility in demanding image applications. Every member of the Stingray family has high sensitivity and is available in color or monochrome versions. The Allied Vision Stingray FireWire.b Camera is compatible with PC (including WMD) or Linux environments. Each camera includes a firewire cable. Drive and SDK can be [downloaded](#) from Allied Vision website. Optional 1/4-20 mounting adapter [#59-157](#), 12-pin trigger I/O cable, and laptop FireWire card are available.