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Allied Vision Alvium USB 3.0 Cameras See More by [Allied Vision](#)



- Compact, Low Cost, High Performance Design for Machine Vision and Embedded Applications
- ALVIUM® System on Chip (SoC) Technology with Onboard Imaging Preprocessing
- Up to 24.60 MegaPixels, 1.2" Sensor Format
- [Allied Vision Alvium Right Angle USB 3.1 Cameras](#) Also Available

Common Specifications

General			
Manufacturer: Allied Vision		Camera Series: Alvium	
Sensor			
Image Buffer: 256KB		Type of Sensor: Progressive Scan CMOS	
Machine Vision Standard: USB3 Vision v1.0, GenICam			
Hardware & Interface Connectivity			
Connector: USB 3.0 Gen 1, Micro-B			
Power Supply: Power over USB or via GPIO		GPIOs: 4 Programmable TTL GPIOs	
Synchronization: Hardware Trigger (GPIO) or Software Trigger		Interface Port Orientation: Back Panel	
GPIO Connector Type: 7-pin JST			
Environmental & Durability Factors			
Storage Temperature (°C):		-20 to +85	

Technical Information

Products

Sensor Format	Resolution (Megapixels)	Mount	Type	Housing	Model Number	Stock Number	Price	Buy
1/2.9"	0.40	C-Mount	Monochrome Camera	Full	1800 U-040m	#23-172	S\$523.45	1 In Stock
1/2.9"	0.40	C-Mount	Color Camera	Full	1800 U-040c	#23-173	S\$537.95	1 In Stock

Stock No.: 23-173-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Typically 1-2 Recertified Products are in stock at a time. Please contact our sales team if you would like exact availability of an item.

- Open Box – Missing original packaging
- Cosmetic Blemishes – Scratches, rub marks or other minor cosmetic imperfections
- Service/Repair – Product has been serviced to the factory original specification
- Factory Returns – Product has been returned in its original condition

View all our [recertified products](#) in the Web Specials section of our website.

Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
04	Missing Manual	N	Minor Defect/Scratches
03	Missing Manual and Small Accessory	J	Major Defect/Scratches
02	Missing Manual and Large Accessory		

Stock No.: 14-849-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

Typically 1-2 Recertified Products are in stock at a time. Please contact our sales team if you would like exact availability of an item.

- Recertified products are those identified with the recertified logo indicating they were returned to Edmund Optics® and cannot be sold as new for the following reasons:

1/2.9"	0.40	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-040m
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Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard [return policy](#) applies.

S\$426.88

1 In Stock

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Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
04	Missing Manual	N	Minor Defect/Scratches
03	Missing Manual and Small Accessory	J	Major Defect/Scratches
02	Missing Manual and Large Accessory		

1/2.9"	0.40	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-040m	#14-849	S\$523.45	1 In Stock
1/2.9"	0.40	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-040c	#14-850	S\$537.95	1 In Stock
1/3.6"	0.50	C-Mount	Monochrome Camera	Full	1800 U-050m	#23-174	S\$404.55	1 In Stock
1/3.6"	0.50	C-Mount	Color Camera	Full	1800 U-050c	#23-175	S\$419.05	1 In Stock
1/3.6"	0.50	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-050m	#14-857	S\$404.55	1 In Stock
1/3.6"	0.50	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-050c	#14-858	S\$419.05	Contact Us
1/1.7"	0.52	C-Mount	Monochrome Camera	Full	1800 U-052m	#23-160	S\$642.35	4 In Stock
1/1.7"	0.52	C-Mount	Color Camera	Full	1800 U-052c	#23-161	S\$658.30	2 In Stock
1/1.7"	0.52	CS-Mount	Monochrome Camera	Full	1800 U-052m	#23-162	S\$642.35	1 In Stock
1/1.7"	0.52	CS-Mount	Color Camera	Full	1800 U-052c	#23-163	S\$658.30	1 In Stock
1/3"	1.20	C-Mount	Monochrome Camera	Full	1800 U-120m	#23-176	S\$523.45	3 In Stock
1/3"	1.20	C-Mount	Color Camera	Full	1800 U-120c	#23-177	S\$553.90	Contact Us
1/3"	1.20	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-120m	#14-861	S\$523.45	Contact Us
1/3"	1.20	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-120c	#14-862	S\$553.90	1 In Stock
1/2.9"	1.58	C-Mount	Monochrome Camera	Full	1800 U-158m	#17-083	S\$537.95	5 In Stock
1/2.9"	1.58	C-Mount	Color Camera	Full	1800 U-158c	#17-084	S\$553.90	1 In Stock
1/2.9"	1.60	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-158m	#14-865	S\$537.95	1 In Stock
1/2.9"	1.60	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-158c	#14-866	S\$553.90	Contact Us
1/1.2"	2.40	C-Mount	Color Camera	Full	1800 U-234c	#26-200	S\$971.50	4 In Stock
1/1.2"	2.40	CS-Mount	Color Camera	Full	1800 U-234c	#26-351	S\$971.50	Contact Us
1/1.2"	2.40	C-Mount	Monochrome Camera	Full	1800 U-234m	#26-199	S\$957.00	1 In Stock

1/1.2"	2.40	CS-Mount	Monochrome Camera	Full	1800 U-234m	#26-350	S\$957.00	Contact Us
1/1.2"	2.40	C-Mount	Color Camera	Full	1800 U-235c	#26-202	S\$1,297.75	1 In Stock
1/1.2"	2.40	CS-Mount	Color Camera	Full	1800 U-235c	#26-353	S\$1,297.75	1 In Stock
1/1.2"	2.40	C-Mount	Monochrome Camera	Full	1800 U-235m	#26-201	S\$1,268.75	2 In Stock
1/1.2"	2.40	CS-Mount	Monochrome Camera	Full	1800 U-235m	#26-352	S\$1,268.75	1 In Stock
1/2.3"	2.35	C-Mount	Monochrome Camera	Full	1800 U-240m	#17-085	S\$568.40	5 In Stock
1/2.3"	2.35	C-Mount	Color Camera	Full	1800 U-240c	#17-086	S\$582.90	2 In Stock
1/2.3"	2.35	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-240m	#23-178	S\$568.40	1 In Stock
1/2.3"	2.35	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-240c	#23-179	S\$582.90	1 In Stock
2/3"	2.91	C-Mount	Monochrome Camera	Full	1800 U-291m	#23-166	S\$1,138.25	1 In Stock
2/3"	2.91	C-Mount	Color Camera	Full	1800 U-291c	#23-167	S\$1,152.75	Contact Us
2/3"	2.91	CS-Mount	Monochrome Camera	Full	1800 U-291m	#23-168	S\$1,138.25	3 In Stock
2/3"	2.91	CS-Mount	Color Camera	Full	1800 U-291c	#23-169	S\$1,152.75	1 In Stock
1/1.8"	3.20	C-Mount	Monochrome Camera	Full	1800 U-319m	#14-871	S\$790.25	Contact Us
1/1.8"	3.20	C-Mount	Color Camera	Full	1800 U-319c	#14-872	S\$804.75	2 In Stock
1/1.8"	3.19	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-319m	#23-180	S\$790.25	1 In Stock
1/1.8"	3.19	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-319c	#23-181	S\$804.75	Contact Us

Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
04	Missing Manual	N	Minor Defect/Scratches
03	Missing Manual and Small Accessory	J	Major Defect/Scratches
02	Missing Manual and Large Accessory		

1/2.5"	5.00	C-Mount	Monochrome Camera	Full	1800 U-500m	#14-126	S\$448.05	7 In Stock
1/2.5"	5.00	C-Mount	Color Camera	Full	1800 U-500c	#14-127	S\$464.00	2 In Stock
1/2.5"	5.00	CS-Mount	Monochrome Camera	Full	1800 U-500m	#14-134	S\$448.05	1 In Stock
1/2.5"	5.00	CS-Mount	Color Camera	Full	1800 U-500c	#14-135	S\$464.00	2 In Stock
1/2.5"	5.00	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-500m	#14-128	S\$448.05	1 In Stock
1/2.5"	5.00	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-500c	#14-129	S\$464.00	1 In Stock
1/2.5"	5.00	C-Mount	NIR Camera	Full	1800 U-501m NIR	#19-547	S\$419.05	Contact Us
1/2.5"	5.00	CS-Mount	NIR Camera	Full	1800 U-501m NIR	#19-549	S\$419.05	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	NIR Camera	Full	1800 U-501m NIR	#19-551	S\$419.05	1 In Stock
2/3"	5.10	C-Mount	Monochrome Camera	Full	1800 U-507m	#14-877	S\$1,210.75	3 In Stock
2/3"	5.10	C-Mount	Color Camera	Full	1800 U-507c	#14-878	S\$1,225.25	Contact Us
2/3"	5.07	C-Mount	Monochrome Camera	Full	1800 U-508m	#17-087	S\$1,776.25	2 In Stock
2/3"	5.07	C-Mount	Color Camera	Full	1800 U-508c	#17-088	S\$1,790.75	4 In Stock
1/1.8"	5.10	C-Mount	Color Camera	Full	1800 U-510c	#26-205	S\$971.50	Contact Us
1/1.8"	5.10	CS-Mount	Color Camera	Full	1800 U-510c	#26-355	S\$971.50	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-510c	#26-206	S\$971.50	Contact Us
1/1.8"	5.10	C-Mount	Monochrome Camera	Full	1800 U-510m	#26-203	S\$957.00	Contact Us
1/1.8"	5.10	CS-Mount	Monochrome Camera	Full	1800 U-510m	#26-354	S\$957.00	2 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-510m	#26-204	S\$957.00	1 In Stock
1/1.8"	5.10	C-Mount	Monochrome Camera	Full	1800 U-511m	#19-559	S\$1,058.50	1 In Stock
1/1.8"	5.10	C-Mount	Color Camera	Full	1800 U-511c	#19-571	S\$1,073.00	1 In Stock
1/1.8"	5.10	CS-Mount	Monochrome Camera	Full	1800 U-511m	#19-561	S\$1,058.50	Contact Us

1/1.8"	5.10	CS-Mount	Color Camera	Full	1800 U-511c	#19-573	S\$1,073.00	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-511m	#19-563	S\$1,058.50	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-511c	#19-575	S\$1,073.00	Contact Us
2/3"	8.10	C-Mount	Monochrome Camera	Full	1800 U-811m	#19-583	S\$1,464.50	Contact Us
2/3"	8.10	C-Mount	Color Camera	Full	1800 U-811c	#19-587	S\$1,479.00	4 In Stock
2/3"	8.10	C-Mount	UV Camera	Full	1800 U-812	#26-198	S\$9,019.00	1 In Stock
1.1"	12.40	C-Mount	Monochrome Camera	Full	1800 U-1236m	#14-889	S\$2,805.75	2 In Stock
1.1"	12.40	C-Mount	Color Camera	Full	1800 U-1236c	#14-890	S\$2,820.25	1 In Stock
1/1.7"	12.22	C-Mount	Monochrome Camera	Full	1800 U-1240m	#17-089	S\$658.30	5 In Stock
1/1.7"	12.22	C-Mount	Color Camera	Full	1800 U-1240c	#17-090	S\$672.80	3 In Stock
1/1.7"	12.22	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-1240m	#23-182	S\$658.30	1 In Stock
1/1.7"	12.22	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-1240c	#23-183	S\$672.80	2 In Stock
1/1.1"	12.40	C-Mount	Monochrome Camera	Full	1800 U-1242m	#19-591	S\$2,240.25	Contact Us
1/1.1"	12.40	C-Mount	Color Camera	Full	1800 U-1242c	#19-595	S\$2,254.75	1 In Stock
1.1"	16.20	C-Mount	Monochrome Camera	Full	1800 U-1620m	#19-599	S\$2,436.00	2 In Stock



Recertified

Stock No.: 19-599-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

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- Open Box – Missing original packaging
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1.1"	16.20	C-Mount	Monochrome Camera	Full	1800 U-1620m			
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Recertified products are inspected for damage and any necessary repairs are made. Products are then certified by Edmund Optics® to be in good working order. Since quantity is low, recertified products are sold on a first come, first serve basis. Any imperfections will be listed in the description, indicated in the stock number, and categorized by the table below. When purchasing recertified products, the Edmund Optics® standard [return policy](#) applies.

\$2,065.20

1 In Stock

View all our [recertified products](#) in the Web Specials section of our website.

Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
	04 Missing Manual	N	Minor Defect/Scratches
	03 Missing Manual and Small Accessory	J	Major Defect/Scratches
	02 Missing Manual and Large Accessory		

1.1"	16.20	C-Mount	Color Camera	Full	1800 U-1620c	#19-603	S\$2,450.50	Contact Us
1.1"	20.40	C-Mount	Monochrome Camera	Full	1800 U-2040m	#19-607	S\$3,074.00	1 In Stock
1.1"	20.40	C-Mount	Color Camera	Full	1800 U-2040c	#19-611	S\$3,095.75	1 In Stock
1"	20.20	C-Mount	Monochrome Camera	Full	1800 U-2050m	#14-893	S\$957.00	Contact Us
1"	20.20	C-Mount	Color Camera	Full	1800 U-2050c	#14-894	S\$971.50	2 In Stock
1.2"	24.60	C-Mount	Monochrome Camera	Full	1800 U-2460m	#19-615	S\$3,704.75	5 In Stock
1.2"	24.60	C-Mount	Color Camera	Full	1800 U-2460c	#19-619	S\$3,719.25	1 In Stock



Recertified

Stock No.: 19-619-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

Typically 1-2 Recertified Products are
in stock at a time. Please contact our
sales team if you would like exact
availability of an item.

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indicating they were returned to
Edmund Optics® and cannot be sold
as new for the following reasons:

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- Cosmetic Blemishes – Scratches, rub marks or other minor cosmetic imperfections
- Service/Repair – Product has been serviced to the factory original specification
- Factory Returns – Product has been returned in its original condition

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Parts		Cosmetic	
05	All Original Parts Included	P	Perfect
04	Missing Manual	N	Minor Defect/Scratches
03	Missing Manual and Small Accessory	J	Major Defect/Scratches
02	Missing Manual and Large Accessory		

1.2"	24.60	C-Mount	Color Camera	Full	1800 U-2460c		\$2,354.80	1 In Stock
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1/2.9"	0.40	S-Mount (M12 x 0.5)	Monochrome Camera	Partial	1800 U-040m	#14-853	S\$508.95	Contact Us
1/2.9"	0.40	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-040c	#14-854	S\$523.45	Contact Us
1/2.9"	1.60	S-Mount (M12 x 0.5)	Monochrome Camera	Partial	1800 U-158m	#14-869	S\$523.45	Contact Us
1/2.9"	1.60	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-158c	#14-870	S\$537.95	Contact Us
1/1.8"	3.20	C-Mount	Monochrome Camera	Partial	1800 U-319m	#14-875	S\$775.75	Contact Us
1/1.8"	3.20	C-Mount	Color Camera	Partial	1800 U-319c	#14-876	S\$790.25	Contact Us
1/2.5"	5.00	C-Mount	Monochrome Camera	Partial	1800 U-500m	#14-138	S\$433.55	Contact Us
1/2.5"	5.00	C-Mount	Color Camera	Partial	1800 U-500c	#14-139	S\$448.05	Contact Us
1/2.5"	5.00	CS-Mount	Monochrome Camera	Partial	1800 U-500m	#14-140	S\$433.55	Contact Us
1/2.5"	5.00	CS-Mount	Color Camera	Partial	1800 U-500c	#14-141	S\$448.05	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	Monochrome Camera	Partial	1800 U-500m	#14-142	S\$433.55	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-500c	#14-143	S\$448.05	Contact Us
1/2.5"	5.00	C-Mount	NIR Camera	Partial	1800 U-501m NIR	#19-553	S\$404.55	Contact Us
1/2.5"	5.00	CS-Mount	NIR Camera	Partial	1800 U-501m NIR	#19-555	S\$404.55	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	NIR Camera	Partial	1800 U-501m NIR	#19-557	S\$404.55	Contact Us
2/3"	5.10	C-Mount	Monochrome Camera	Partial	1800 U-507m	#14-881	S\$1,196.25	Contact Us
2/3"	5.10	C-Mount	Color Camera	Partial	1800 U-507c	#14-882	S\$1,210.75	Contact Us
1/1.8"	5.10	C-Mount	Monochrome Camera	Partial	1800 U-511m	#19-565	S\$1,029.50	Contact Us
1/1.8"	5.10	C-Mount	Color Camera	Partial	1800 U-511c	#19-577	S\$1,058.50	Contact Us
1/1.8"	5.10	CS-Mount	Monochrome Camera	Partial	1800 U-511m	#19-567	S\$1,029.50	Contact Us
1/1.8"	5.10	CS-Mount	Color Camera	Partial	1800 U-511c	#19-579	S\$1,058.50	Contact Us



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www.edmundoptics.com