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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
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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
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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	£306.85	1 In Stock
1/2.9"	0.40	C-Mount	Color Camera	Full	1800 U-040c	#23-173	£315.35	1 In Stock



Recertified

Stock No.: 23-173-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:

- 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

1/2.9"	0.40	C-Mount	Color Camera	Full	1800 U-040c		£272.46	1 In Stock
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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		



Recertified

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

Recertified Products

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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

1/2.9"	0.40	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-040m	£250.24	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	£306.85	1 In Stock
1/2.9"	0.40	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-040c	#14-850	£315.35	1 In Stock
1/3.6"	0.50	C-Mount	Monochrome Camera	Full	1800 U-050m	#23-174	£237.15	1 In Stock
1/3.6"	0.50	C-Mount	Color Camera	Full	1800 U-050c	#23-175	£245.65	Contact Us
1/3.6"	0.50	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-050m	#14-857	£237.15	1 In Stock
1/3.6"	0.50	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-050c	#14-858	£245.65	Contact Us
1/1.7"	0.52	C-Mount	Monochrome Camera	Full	1800 U-052m	#23-160	£376.55	4 In Stock
1/1.7"	0.52	C-Mount	Color Camera	Full	1800 U-052c	#23-161	£385.90	2 In Stock
1/1.7"	0.52	CS-Mount	Monochrome Camera	Full	1800 U-052m	#23-162	£376.55	1 In Stock
1/1.7"	0.52	CS-Mount	Color Camera	Full	1800 U-052c	#23-163	£385.90	1 In Stock
1/3"	1.20	C-Mount	Monochrome Camera	Full	1800 U-120m	#23-176	£306.85	3 In Stock
1/3"	1.20	C-Mount	Color Camera	Full	1800 U-120c	#23-177	£324.70	Contact Us
1/3"	1.20	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-120m	#14-861	£306.85	1 In Stock
1/3"	1.20	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-120c	#14-862	£324.70	1 In Stock
1/2.9"	1.58	C-Mount	Monochrome Camera	Full	1800 U-158m	#17-083	£315.35	5 In Stock
1/2.9"	1.58	C-Mount	Color Camera	Full	1800 U-158c	#17-084	£324.70	1 In Stock
1/2.9"	1.60	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-158m	#14-865	£315.35	1 In Stock
1/2.9"	1.60	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-158c	#14-866	£324.70	Contact Us
1/1.2"	2.40	C-Mount	Color Camera	Full	1800 U-234c	#26-200	£569.50	4 In Stock
1/1.2"	2.40	CS-Mount	Color Camera	Full	1800 U-234c	#26-351	£569.50	Contact Us
1/1.2"	2.40	C-Mount	Monochrome Camera	Full	1800 U-234m	#26-199	£561.00	1 In Stock

1/1.2"	2.40	CS-Mount	Monochrome Camera	Full	1800 U-234m	#26-350	£561.00	Contact Us
1/1.2"	2.40	C-Mount	Color Camera	Full	1800 U-235c	#26-202	£760.75	1 In Stock
1/1.2"	2.40	CS-Mount	Color Camera	Full	1800 U-235c	#26-353	£760.75	1 In Stock
1/1.2"	2.40	C-Mount	Monochrome Camera	Full	1800 U-235m	#26-201	£743.75	2 In Stock
1/1.2"	2.40	CS-Mount	Monochrome Camera	Full	1800 U-235m	#26-352	£743.75	1 In Stock
1/2.3"	2.35	C-Mount	Monochrome Camera	Full	1800 U-240m	#17-085	£333.20	5 In Stock
1/2.3"	2.35	C-Mount	Color Camera	Full	1800 U-240c	#17-086	£341.70	2 In Stock
1/2.3"	2.35	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-240m	#23-178	£333.20	1 In Stock
1/2.3"	2.35	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-240c	#23-179	£341.70	1 In Stock
2/3"	2.91	C-Mount	Monochrome Camera	Full	1800 U-291m	#23-166	£667.25	1 In Stock
2/3"	2.91	C-Mount	Color Camera	Full	1800 U-291c	#23-167	£675.75	Contact Us
2/3"	2.91	CS-Mount	Monochrome Camera	Full	1800 U-291m	#23-168	£667.25	3 In Stock
2/3"	2.91	CS-Mount	Color Camera	Full	1800 U-291c	#23-169	£675.75	1 In Stock
1/1.8"	3.20	C-Mount	Monochrome Camera	Full	1800 U-319m	#14-871	£463.25	Contact Us
1/1.8"	3.20	C-Mount	Color Camera	Full	1800 U-319c	#14-872	£471.75	1 In Stock
1/1.8"	3.19	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-319m	#23-180	£463.25	1 In Stock
1/1.8"	3.19	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-319c	#23-181	£471.75	Contact Us



Recertified

Stock No.: 23-181-RCD-05P
Recertified Code: 05P (All Original
Parts Included, Perfect)

Recertified Products

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- Factory Returns – Product has been returned in its original condition

1/1.8"	3.19	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-319c	£385.56	1 In Stock
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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		

1/2.5"	5.00	C-Mount	Monochrome Camera	Full	1800 U-500m	#14-126	£262.65	7 In Stock
1/2.5"	5.00	C-Mount	Color Camera	Full	1800 U-500c	#14-127	£272.00	2 In Stock
1/2.5"	5.00	CS-Mount	Monochrome Camera	Full	1800 U-500m	#14-134	£262.65	1 In Stock
1/2.5"	5.00	CS-Mount	Color Camera	Full	1800 U-500c	#14-135	£272.00	2 In Stock
1/2.5"	5.00	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-500m	#14-128	£262.65	1 In Stock
1/2.5"	5.00	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-500c	#14-129	£272.00	1 In Stock
1/2.5"	5.00	C-Mount	NIR Camera	Full	1800 U-501m NIR	#19-547	£245.65	Contact Us
1/2.5"	5.00	CS-Mount	NIR Camera	Full	1800 U-501m NIR	#19-549	£245.65	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	NIR Camera	Full	1800 U-501m NIR	#19-551	£245.65	1 In Stock
2/3"	5.10	C-Mount	Monochrome Camera	Full	1800 U-507m	#14-877	£709.75	3 In Stock
2/3"	5.10	C-Mount	Color Camera	Full	1800 U-507c	#14-878	£718.25	Contact Us
2/3"	5.07	C-Mount	Monochrome Camera	Full	1800 U-508m	#17-087	£1,041.25	2 In Stock
2/3"	5.07	C-Mount	Color Camera	Full	1800 U-508c	#17-088	£1,049.75	4 In Stock
1/1.8"	5.10	C-Mount	Color Camera	Full	1800 U-510c	#26-205	£569.50	Contact Us
1/1.8"	5.10	CS-Mount	Color Camera	Full	1800 U-510c	#26-355	£569.50	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-510c	#26-206	£569.50	Contact Us
1/1.8"	5.10	C-Mount	Monochrome Camera	Full	1800 U-510m	#26-203	£561.00	Contact Us
1/1.8"	5.10	CS-Mount	Monochrome Camera	Full	1800 U-510m	#26-354	£561.00	2 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-510m	#26-204	£561.00	1 In Stock
1/1.8"	5.10	C-Mount	Monochrome Camera	Full	1800 U-511m	#19-559	£620.50	1 In Stock
1/1.8"	5.10	C-Mount	Color Camera	Full	1800 U-511c	#19-571	£629.00	1 In Stock
1/1.8"	5.10	CS-Mount	Monochrome Camera	Full	1800 U-511m	#19-561	£620.50	Contact Us

1/1.8"	5.10	CS-Mount	Color Camera	Full	1800 U-511c	#19-573	£629.00	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-511m	#19-563	£620.50	1 In Stock
1/1.8"	5.10	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-511c	#19-575	£629.00	Contact Us
2/3"	8.10	C-Mount	Monochrome Camera	Full	1800 U-811m	#19-583	£858.50	Contact Us
2/3"	8.10	C-Mount	Color Camera	Full	1800 U-811c	#19-587	£867.00	4 In Stock
2/3"	8.10	C-Mount	UV Camera	Full	1800 U-812	#26-198	£5,287.00	1 In Stock
1.1"	12.40	C-Mount	Monochrome Camera	Full	1800 U-1236m	#14-889	£1,644.75	2 In Stock
1.1"	12.40	C-Mount	Color Camera	Full	1800 U-1236c	#14-890	£1,653.25	1 In Stock
1/1.7"	12.22	C-Mount	Monochrome Camera	Full	1800 U-1240m	#17-089	£385.90	3 In Stock
1/1.7"	12.22	C-Mount	Color Camera	Full	1800 U-1240c	#17-090	£394.40	Contact Us
1/1.7"	12.22	S-Mount (M12 x 0.5)	Monochrome Camera	Full	1800 U-1240m	#23-182	£385.90	1 In Stock
1/1.7"	12.22	S-Mount (M12 x 0.5)	Color Camera	Full	1800 U-1240c	#23-183	£394.40	2 In Stock
1/1.1"	12.40	C-Mount	Monochrome Camera	Full	1800 U-1242m	#19-591	£1,313.25	Contact Us
1/1.1"	12.40	C-Mount	Color Camera	Full	1800 U-1242c	#19-595	£1,321.75	1 In Stock
1.1"	16.20	C-Mount	Monochrome Camera	Full	1800 U-1620m	#19-599	£1,428.00	2 In Stock



Recertified

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

Recertified Products

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in stock at a time. Please contact our
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1.1"	16.20	C-Mount	Monochrome Camera	Full	1800 U-1620m	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.	£1,170.28	1 In Stock
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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	£1,436.50	Contact Us
1.1"	20.40	C-Mount	Monochrome Camera	Full	1800 U-2040m	#19-607	£1,802.00	1 In Stock
1.1"	20.40	C-Mount	Color Camera	Full	1800 U-2040c	#19-611	£1,814.75	1 In Stock
1"	20.20	C-Mount	Monochrome Camera	Full	1800 U-2050m	#14-893	£561.00	Contact Us
1"	20.20	C-Mount	Color Camera	Full	1800 U-2050c	#14-894	£569.50	2 In Stock
1.2"	24.60	C-Mount	Monochrome Camera	Full	1800 U-2460m	#19-615	£2,171.75	5 In Stock
1.2"	24.60	C-Mount	Color Camera	Full	1800 U-2460c	#19-619	£2,180.25	1 In Stock



Recertified

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

Recertified Products

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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	£1,380.40	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	£298.35	Contact Us
1/2.9"	0.40	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-040c	#14-854	£306.85	Contact Us
1/2.9"	1.60	S-Mount (M12 x 0.5)	Monochrome Camera	Partial	1800 U-158m	#14-869	£306.85	Contact Us
1/2.9"	1.60	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-158c	#14-870	£315.35	Contact Us
1/1.8"	3.20	C-Mount	Monochrome Camera	Partial	1800 U-319m	#14-875	£454.75	Contact Us
1/1.8"	3.20	C-Mount	Color Camera	Partial	1800 U-319c	#14-876	£463.25	Contact Us
1/2.5"	5.00	C-Mount	Monochrome Camera	Partial	1800 U-500m	#14-138	£254.15	Contact Us
1/2.5"	5.00	C-Mount	Color Camera	Partial	1800 U-500c	#14-139	£262.65	Contact Us
1/2.5"	5.00	CS-Mount	Monochrome Camera	Partial	1800 U-500m	#14-140	£254.15	Contact Us
1/2.5"	5.00	CS-Mount	Color Camera	Partial	1800 U-500c	#14-141	£262.65	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	Monochrome Camera	Partial	1800 U-500m	#14-142	£254.15	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	Color Camera	Partial	1800 U-500c	#14-143	£262.65	Contact Us
1/2.5"	5.00	C-Mount	NIR Camera	Partial	1800 U-501m NIR	#19-553	£237.15	Contact Us
1/2.5"	5.00	CS-Mount	NIR Camera	Partial	1800 U-501m NIR	#19-555	£237.15	Contact Us
1/2.5"	5.00	S-Mount (M12 x 0.5)	NIR Camera	Partial	1800 U-501m NIR	#19-557	£237.15	Contact Us
2/3"	5.10	C-Mount	Monochrome Camera	Partial	1800 U-507m	#14-881	£701.25	Contact Us
2/3"	5.10	C-Mount	Color Camera	Partial	1800 U-507c	#14-882	£709.75	Contact Us
1/1.8"	5.10	C-Mount	Monochrome Camera	Partial	1800 U-511m	#19-565	£603.50	Contact Us
1/1.8"	5.10	C-Mount	Color Camera	Partial	1800 U-511c	#19-577	£620.50	Contact Us
1/1.8"	5.10	CS-Mount	Monochrome Camera	Partial	1800 U-511m	#19-567	£603.50	Contact Us
1/1.8"	5.10	CS-Mount	Color Camera	Partial	1800 U-511c	#19-579	£620.50	Contact Us



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www.edmundoptics.com