

MicroHAWK F430-F Smart Camera




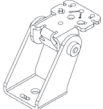

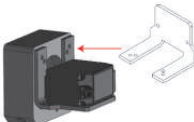

World's smallest fully-integrated vision system.

- Simple configuration with AutoVISION.
- 5 megapixel sensor available.
- Autofocus available.
- Alternate LED configuration available.
- Smallest in class.
- IP65 / IP67.
- Ethernet TCP/IP, EtherNet/IP, PROFINET.



MicroHAWK F430-F

Mounting Options

Appearance	Type	Part Number
	L Bracket Adjustable Angle Mounting Kit	V430-AM0
	1/4-20 Camera Mounting Block Kit	V430-AM1
	4" (102 mm) Ram Mount Stand	V430-AM2
	APG Pan and Tilt Camera Mount	V430-AM3
	Nylon Screw and Washer Electrical Isolation Mounting Kit	V430-AM4
	MS-4 / MINI to V/F4XX-F Adapter Plate	V430-AM5
	Smart Ring Light to V/F4XX-F Mounting Bracket	V430-AM6
	QX / Vision HAWK to V/F4XX-F Adapter Plate	V430-AM7

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Optics Options

Appearance	Type	Part Number
	Front Window - Installation Kit	V430-AF10 *
	Diffuser - Installation Kit	V430-AF11 *
	Polarizer - Installation Kit	V430-AF12 *
	Right Angle Mirror - Installation Kit	V430-AF3
	YAG Filter - Installation Kit	V430-AF4
	ESD-Safe Window - Installation Kit	V430-AF5
	Red Filter - Installation Kit	V430-AF6
	Blue Filter - Installation Kit	V430-AF7


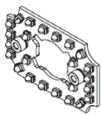
* Note: V430-AF10, AF11, and AF12 are used for **MicroHAWK V/F4X0-FXXXXXXX-XXX** cameras in this datasheet. The prior generation **MicroHAWK V430-FXXXXXXX** code reader uses part numbers V430-AF0, AF1, and AF2. Please select the correct accessory from the table based on your camera part number format.

Accessory	Prior V430-FXXXXXXX Code Reader	New V/F4X0-FXXXXXXX-XXX Code Reader and Smart Camera
Front Window Installation Kit	V430-AF0	V430-AF10
Diffuser Installation Kit	V430-AF1	V430-AF11
Polarizer Installation Kit	V430-AF2	V430-AF12

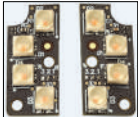
Additional Optics Options

Product	Appearance	Type	Part Number
V430-F Window Kits 		Front Window Installation Kit	V430-AF0R
		Diffuser Installation Kit	V430-AF1R
		Polarizer Installation Kit	V430-AF2R

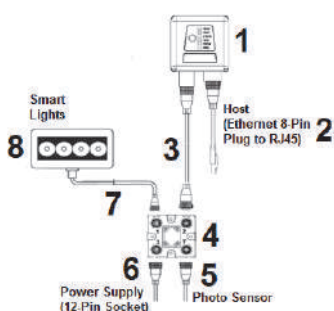
Lighting Options

Product	Appearance	Type	Part Number
		Red Ring Light - Installation Kit	V430-ALRR
		White Ring Light - Installation Kit	V430-ALWR
		Blue Ring Light - Installation Kit	V430-ALBR
		IR Ring Light - Installation Kit	V430-ALIR

Additional Lighting Options




Appearance	Type	Part Number
	Red Light - Installation Kit	V430-ALR
	White Light - Installation Kit	V430-ALW
	Blue Light - Installation Kit	V430-ALB
	IR Light - Installation Kit	V430-ALI

Wiring Options



Drawing Reference	Appearance	Category	Length / Spec	Part Number
2		Ethernet Communication Cables - Straight Connectors M12 Plug on Camera to RJ45 connector	1 Meter	V430-WE-1M
			3 Meters	V430-WE-3M
			5 Meters	V430-WE-5M
		Ethernet Comm. Cable - Right Angle M12 Connectors* M12 Plug on Camera to RJ45	3 Meters - Right Angle Up*	V430-WELU-3M
			3 Meters - Right Angle Down*	V430-WELD-3M
3		Camera to QX-1 Interconnect Cables M12 Socket to M12 Plug QX-1 is used as breakout Module for common IO signals and power.	1 Meter	V430-WQ-1M
			M12 Socket to M12 Plug, with Power Filter	300 mm
		Camera to QX-1 Interconnect Cables M12 Socket to M12 Plug QX-1 is used as breakout Module for common IO signals and power.	3 Meters	V430-WQ-3M
			5 Meters	V430-WQ-5M
4		QX-1 Interconnect Module – Power, Trigger, Smart Light Control Breakout		98-000103-02
5		QX-1 Photo Sensor, M12 4-Pin Plug, NPN	2 Meter - Light ON/Dark ON	99-9000016-01
		QX-1 Field-Wireable M12 4-Pin Plug for any trigger source or photo sensor	Screw Terminals	98-9000239-01

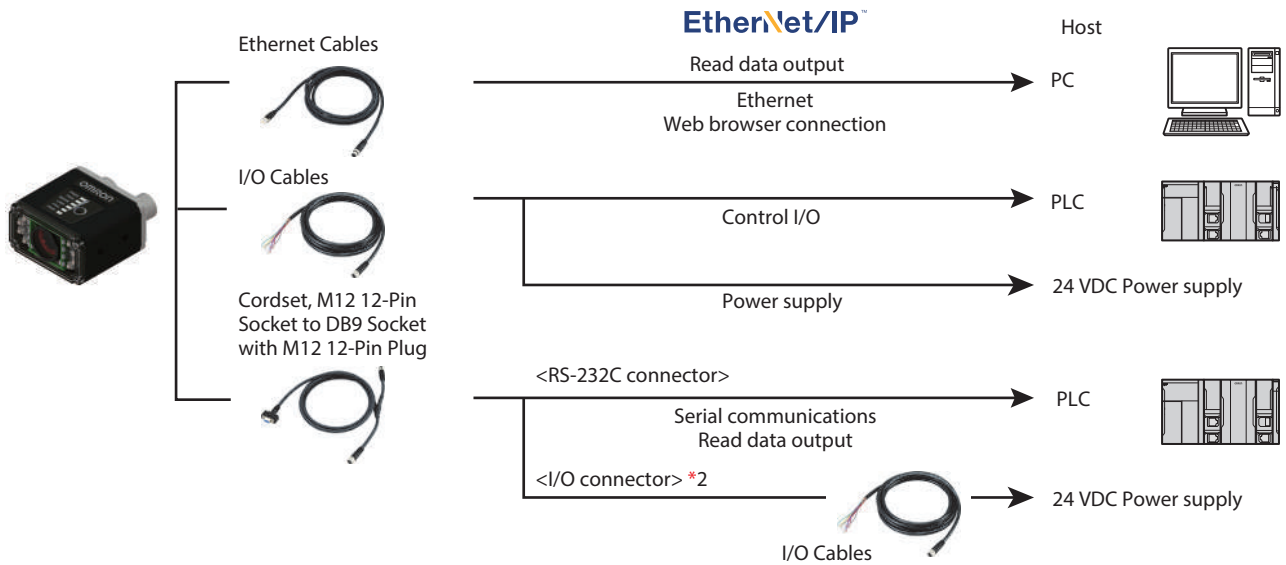
F430-F

Drawing Reference	Appearance	Category	Length / Spec	Part Number
6		Power Supply, 100-240VAC, +24VDC, M12 12-Pin Socket	1 Meter US/Euro Plug	97-000012-01
7		QX-1 M12 to Smart Light Power and Strobe Control Cables	3 Meter - Continuous Power	61-000204-01
		M12 Plug on QX-1 to 5 Pin Socket on light	3 Meter - Strobe Control	61-000218-01
8		Omron Microscan Smart Light Series	Integrated Power and Strobe Control Module	See Omron Microscan Smart Light Offering - Ring, DOAL, Large Area Lighting

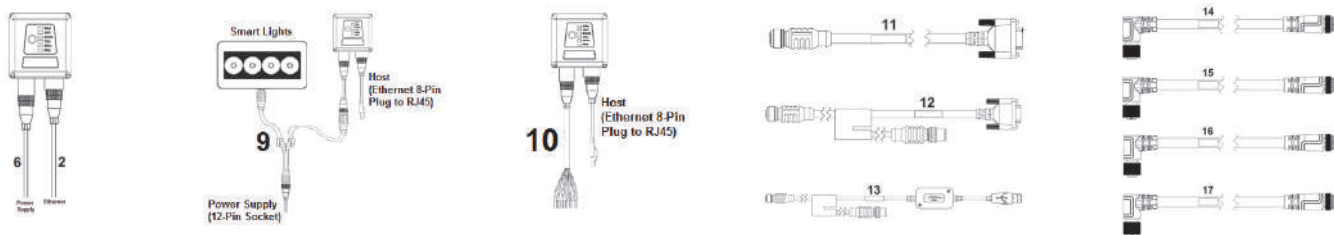
* Right angle cables.

Right angle up

Right angle down



Alternate Wiring Options



Drawing Reference	Appearance	Category	Length / Spec	Part Number
9		Y Cable, Camera/Power and Smart Light Power (Continuous On)	1 Meter	61-9000135-01
		Y Cable, Camera/Power and Smart Light Strobe Control	1 Meter	61-9000137-01
10		M12 to Flying Leads Cable, Straight Power, IO, RS-232, USB	3 Meters	V430-W8-3M
		M12 to Flying Leads Cable, with Power Filter		V430-W8F-3M
		M12 to Flying Leads Cable, Straight Power, IO, RS-232, USB	5 Meters	V430-W8-5M
		M12 to Flying Leads Cable, with Power Filter		V430-W8F-5M
		M12 to Flying Leads Cable Right Angle Power, IO, RS232, USB	3 Meters - Right Angle Up	V430-W8LU-3M
		M12 to Flying Leads Cable Right Angle, with Power Filter		V430-W8LUF-3M
		M12 to Flying Leads Cable Right Angle Power, IO, RS232, USB	3 Meters - Right Angle Down	V430-W8LD-3M
		M12 to Flying Leads Cable Right Angle, with Power Filter		V430-W8LDF-3M
11		M12 to RS-232 Breakout	1 Meter	V430-WR-1M
			3 Meters	V430-WR-3M
12		Camera to QX-1 Interconnect Cables with RS-232 Breakout	2.7 Meters	V430-WQR-3M
13		Camera to QX-1 Interconnect Cables with USB Keyboard Wedge Breakout	2.7 Meters	V430-WQK-3M
14		M12 12-Pin Plug to M12 12-Pin Socket, Right Angle	3 Meters	61-000148-03
15		M12 12-Pin Plug to M12 12-Pin Socket, Right Angle, Alternate Key	3 Meters	61-000148-04
16		M12 12-Pin Plug to M12 12-Pin Socket, Right Angle	1 Meter	61-000162-03
17		M12 12-Pin Plug to M12 12-Pin Socket, Right Angle, Alternate Key	1 Meter	61-000162-04

Verification Options

Appearance	Type	Part Number
	AutoVISION Verification Calibration Card with NIST-Traceable Measurement Report	98-000265-01
	AutoVISION Verification Calibration Card	98-000265-02

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F430-F Part Number Structure

Use this legend when defining product part numbers. Please note that not all combinations of parameters are valid. For instance, color cameras are only available with white lighting, and 400 mm fixed focus is only available with UHD lenses. When ordering, use valid part numbers from the tables in the Ordering Information section only.

F430-F[XXX][Y][ZZZ]-[L][C][P]

Key	Classification	Code	Meaning
XXX	Focus Distance (mm)	000	Autofocus – Variable Distance
		050	Fixed Focus at 50 mm
		064	Fixed Focus at 64 mm
		081	Fixed Focus at 81 mm
		102	Fixed Focus at 102 mm
		133	Fixed Focus at 133 mm
		190	Fixed Focus at 190 mm
		300	Fixed Focus at 300 mm
		400	Fixed Focus at 400 mm
Y	Lens	W	Wide Field of View – 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
		N	Narrow Field of View – 16 mm Focal Length Lens
		L	Narrow 16 mm Lens – Autofocus to 1160 mm
ZZZ	Sensor	03M	752 x 480 (0.3 MP) Pixel, Mono Sensor, Global Shutter
		12M	1280 x 960 (1.2 MP) Pixel, Mono Sensor, Global Shutter
		50C	2592 x 1944 (5 MP) Pixel, Color Sensor, Rolling Shutter
L	Light Type	N	No Outer Light
		S	Standard Outer Light
		R	Ring Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

Example Part Numbers:

- F430-F081W03M-NNS: Fixed Focus at 81 mm, Wide Lens, 0.3 MP Monochrome Sensor, No Outer Light, AutoVISION Sensor
- F430-F000N12M-RRA: Autofocus, Narrow Lens, 1.2 MP Mono, Ring Light, Red, AutoVISION + Verification

F430-F Valid Product Matrix

Model	Category	Focus Type	Sensor	Lens	Focus Distance (mm)	Light	License
F430-F	Monochrome	Fixed Focus	03M, 12M	W, M	50, 81, 102, 190, 300	None, Red, White	S, A, V
			12M	N	64, 400	None, Red, White	S, A, V
		Autofocus	03M	W, M	50 <-> 300 Autofocus	None, Red, White	S, A, V
			12M	W, M, N	50 <-> 300 (W and M) 40 <-> 150 (N) Autofocus	None, Red, White	S, A, V
	Color	Fixed Focus	50C	W, M	50, 81, 102, 190, 300	None, White	S, A, V
		Autofocus	50C	W, M	50 <-> 300 Autofocus	None, White	S, A, V
	Specialty	Ring Light Autofocus	12M	M, N	50 <-> 300 (M) 40 <-> 150 (N) Autofocus	Red, White (Ring)	S, A, V
		Long Range Autofocus	12M	L	75 <-> 1160 Autofocus	None, Red, White	S, A, V

F430-F Ordering Information

Categories:

1. Fixed Focus Camera

- a.) F430-F Monochrome Fixed Focus Camera
- b.) F430-F Color Fixed Focus Camera
- c.) F430-F 1.2 MP Monochrome Fixed Focus Camera with Narrow Lens

2. Autofocus Camera

- a.) F430-F 0.3 MP Monochrome Autofocus Camera (50 – 300 mm)
- b.) F430-F 1.2 MP Monochrome Autofocus Camera (50 – 300 mm for Wide and Medium Lens, 40 – 150 mm for Narrow Lens)
- c.) F430-F Color Autofocus Camera (50 - 300 mm)
- d.) F430-F 1.2 MP Monochrome Autofocus Camera with Ring Light (50 – 300 mm for Medium Lens, 40 – 150 mm for Narrow Lens)
- e.) F430-F 1.2 MP Monochrome Long Range Autofocus Camera (75 - 1160 mm)

1a) F430-F Monochrome Fixed Focus Camera: Valid Combinations

F430-F[XXX][Y][ZZZ]-[L][C][P]

Key	Classification	Code	Meaning
XXX	Focus Distance (mm)	050	Fixed Focus at 50 mm
		064	Fixed Focus at 64 mm
		081	Fixed Focus at 81 mm
		102	Fixed Focus at 102 mm
		300	Fixed Focus at 300 mm
Y	Lens	W	Wide Field of View - 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
ZZZ	Sensor	03M	752 x 480 (0.3 MP) Pixel, Mono Sensor, Global Shutter
		12M	1280 x 960 (1.2 MP) Pixel, Mono Sensor, Global Shutter
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

1b) F430-F 5.0 MP Color Fixed Focus Camera: Valid Combinations

Note: 5 MP Color cameras are available with No or White light options only.

F430-F[XXX][Y]50C-[L][C][P]

Key	Classification	Code	Meaning
XXX	Focus Distance (mm)	050	Fixed Focus at 50 mm
		064	Fixed Focus at 64 mm
		081	Fixed Focus at 81 mm
		102	Fixed Focus at 102 mm
		300	Fixed Focus at 300 mm
Y	Lens	W	Wide Field of View - 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

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1c) F430-F 1.2 MP Monochrome Fixed Focus Camera with Narrow Lens: Valid Combinations

Note: Fixed Focus Narrow lens option available for 1.2 MP Mono camera only.

F430-F[XXX]N12M-[L][C][P]

Key	Classification	Code	Meaning
XXX	Focus Distance (mm)	064	Fixed Focus at 64 mm
		400	Fixed Focus at 400 mm
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

2a) F430-F 0.3 MP Monochrome Autofocus Cameras (50 – 300 mm): Valid Combinations

F430-F000[Y]03M-[L][C][P]

Key	Classification	Code	Meaning
Y	Lens	W	Wide Field of View - 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
ZZZ	Sensor	03M	752 x 480 (0.3 MP) Pixel, Mono Sensor, Global Shutter
		12M	1280 x 960 (1.2 MP) Pixel, Mono Sensor, Global Shutter
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

2b) F430-F 1.2 MP Monochrome Autofocus Camera (50 – 300 mm for Wide and Medium, 40 – 150 mm for Narrow): Valid Combinations

F430-F000[Y]12M-[L][C][P]

Key	Classification	Code	Meaning
Y	Lens	W	Wide Field of View - 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
		N	Narrow Field of View – 16 mm Focal Length Lens
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

2c) F430-F 5.0 MP Color Autofocus Camera (50 - 300 mm): Valid Combinations

Note: Narrow Autofocus lens option not available for color camera.

F430-F000[Y]50C-[L][C][P]

Key	Classification	Code	Meaning
Y	Lens	W	Wide Field of View - 5.2 mm Focal Length Lens
		M	Medium Field of View – 7.7 mm Focal Length Lens
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

2d) F430-F 1.2 MP Monochrome Autofocus Camera with Ring Light (50 – 300 mm for Medium, 40 – 150 mm for Narrow): Valid Combinations

Note: Ring Light version is available for Autofocus, Medium, and Narrow lens, 1.2 MP Monochrome camera only.

F430-F000[Y]12M-R[C][P]

Key	Classification	Code	Meaning
Y	Lens	M	Medium Field of View – 7.7 mm Focal Length Lens
		N	Narrow Field of View – 16 mm Focal Length Lens
C	Light Color	R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

2e) F430-F 1.2 MP Monochrome Long Range Autofocus Camera (75 - 1160 mm): Valid Combinations

Note: Autofocus Long Range lens option available for 1.2 MP Monochrome camera only.

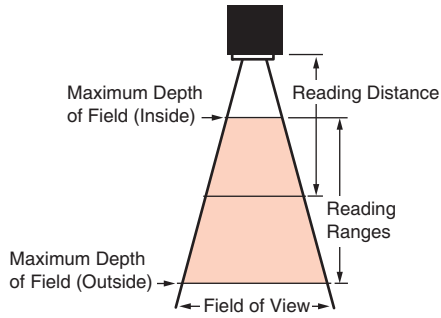
F430-F000L12M-[L][C][P]

Key	Classification	Code	Meaning
L	Light Type	N	No Outer Light
		S	Standard Outer Light
C	Light Color	N	No Outer Light
		R	Red
		W	White
P	Software License	S	AutoVISION Sensor (Vision Toolset Only)
		A	AutoVISION (Vision and Code Reading / Verification Toolsets)
		V	Visionscape (Full AutoVISION and Visionscape Toolsets)

F430-F

Field of View Charts

Specifications are subject to change.



Fixed Focus Field of View (mm) - Wide Lens

Distance (mm)	0.3 MP		1.2 MP		5 MP	
	Width	Height	Width	Height	Width	Height
50	49	32	53	39	50	38
81	76	49	81	61	78	58
102	95	60	101	75	96	72
190	171	109	182	136	174	130
300	266	170	283	213	271	202

Fixed Focus Field of View (mm) - Medium Lens

Distance (mm)	0.3 MP		1.2 MP		5 MP	
	Width	Height	Width	Height	Width	Height
50	34	22	36	27	35	26
81	53	34	56	42	54	40
102	66	42	70	52	67	50
190	119	76	126	95	121	90
300	185	118	196	147	188	140

Fixed Focus Field of View (mm) - Narrow Lens

Distance (mm)	1.2 MP	
	Width	Height
64	21	15
400	118	88

Autofocus Field of View (mm) - Wide Lens

Distance (mm)	0.3 MP		1.2 MP		5 MP	
	Width	Height	Width	Height	Width	Height
50	51	33	55	41	52	39
100	97	62	103	77	98	73
150	142	90	151	113	144	107
200	187	119	199	149	190	142
250	232	148	247	185	236	176
300	277	177	295	221	282	210

Autofocus Field of View (mm) - Medium Lens

Distance (mm)	0.3 MP		1.2 MP		5 MP	
	Width	Height	Width	Height	Width	Height
50	33	21	36	27	34	25
100	63	40	67	50	64	48
150	92	59	98	73	94	70
200	121	77	129	97	123	92
250	151	96	160	120	153	114
300	180	115	191	144	183	136

Autofocus Field of View (mm) - Narrow Lens

Distance (mm)	1.2 MP	
	Width	Height
50	16	12
100	31	23
150	45	34

Long Range Autofocus Field of View (mm)

Distance (mm)	1.2 MP	
	Width	Height
75	24	18
100	31	23
200	60	45
300	89	67
400	118	88
500	147	110
600	176	132
700	204	153
800	233	175
900	262	197
1000	291	218
1200	349	262
1300	378	283
1400	407	305
1500	436	327

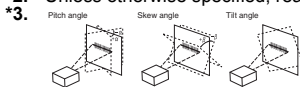
F430-F

Ratings and Specifications

F430-F		F430-F□□□□□03M-□□□□	F430-F□□□□□12M-□□□□	F430-F□□□□□50C-□□□□
Symbolologies *1	1D Symbolologies	Code 39, Code 128, BC412, Interleaved 2 of 5, UPC/EAN, Codabar, Code 93, Pharmacode, PLANET, Postnet, Japanese Post, Australian Post, Royal Mail, Intelligent Mail, KIX		
	2D Symbolologies	Data Matrix (ECC 0-200), QR Code, Micro QR Code, Aztec Code, DotCode, DMRE		
	Stacked Symbolologies	PDF417, MicroPDF417, GS1 Databar (Composite and Stacked)		
Reading Performance *2	Number of Reading Digits	No Upper Limit (depending on bar width and reading distance)		
	Aiming Light	Two Blue LEDs		
	Illumination	Inner LEDs: Four White and Four Red (Wavelength: 625 nm)		
		Outer LEDs: 8 Red or White	Outer LEDs: 8 Red or White; 24 Red or White for F430-F□□□□□12M-R□□	Outer LEDs: 8 White
	Reading Distance / Field of View	Refer to <i>Field of View Charts</i> for details.		
	Pitch Angle (α) *3	±30°		
	Skew Angle (β) *3	±30°		
Tilt Angle (γ) *3	±180°			
Vision Tools		Locate, Decode, Optical Character Recognition (OCR), Count, Presence/Absence, Measure, Match String, String Format, Logic, Optical Character Verification (OCV), Symbol Quality Verification, Color Identification, Color Match		
Image Capture	Focus	Liquid Lens Autofocus or Fixed Focus (Wide = 5.2 mm, Medium = 7.7 mm, Narrow = 16 mm, L = 16 mm)		
	Resolution	752 (H) x 480 (V)	1280 (H) x 960 (V)	2592 (H) x 1944 (V)
	Color / Monochrome	Monochrome CMOS	Monochrome CMOS	Color CMOS
	Shutter	Global Shutter	Global Shutter	Rolling Shutter
	Frames per Second	52 fps	40 fps	5 fps
	Exposure	50 to 66,667 μs	50 to 58,825 μs	50 to 66,667 μs
Image Logging		FTP		
Trigger		External Trigger (Edge or Level), Communication Trigger (Ethernet, RS-232C)		
I/O Specifications	Input Signals	Trigger Input; New Master: Bi-Directional, Optoisolated, 4.5-28 V rated (10 mA @ 28 VDC)		
	Output Signals	3 Signals : Bi-Directional, Optoisolated, 1-28 V rated, (ICE < 100 mA at 24 VDC, current limited by user)		
Communication	Connectivity	RS-232C, Ethernet TCP/IP, EtherNet/IP, PROFINET		
	Ethernet Specifications	100BASE-TX / 10BASE-T		
Indicator LEDs		PASS (Green), TRIG (Amber), MODE (Amber), LINK (Amber), FAIL (Red), PWR (Green)		
Power Supply Voltage		DC24V (Ambient Voltage Range: DC5~30V) *5		
Current Consumption		0.18 A at 24 VDC (max.)		
Environmental Immunity *4	Ambient Temperature Range	Operating: 0 to 45° C Storage: -50 to 75° C (No Icing or Condensation)		
	Ambient Humidity Range	Operating and storage: 5% to 95% (Non-Condensing)		
	Ambient Atmosphere	No Corrosive Gases		
	Vibration Resistance (Destructive)	Sine Vibration: 10 Hz to 55 Hz, 0.35 mm displacement, 20 cycles/axis. Random Vibration: 20 Hz to 2000 Hz, 6.295 Grms, 30 min/axis		
	Shock Resistance (Destructive)	50 G, 11 ms, sawtooth profile. 3X in each X, Y, Z axis		
	Degree of Protection	IEC 60529 IP65 and IP67		
Weight	Main Body Only	Approx. 68 g		
	Packaging Weight	Approx. 174 g (including packing)		
Dimensions	Main Body Dimensions	44.5 (W) x 44.5 (D) x 25.4 (H) mm		
	Packaging Dimensions	170 (W) x 117 (D) x 86 (H) mm		
Accessories		ReadMeFirst, CE Compliance Sheet		
LED Safety Standard		IEC 62471-1: 2006 Risk-Exempt Group		
Safety Standards		EN 61326-1:2013 FCC Part 15, Subpart B (Class B) UL60950-1 RCM, KC, EAC		
Materials	Case	Aluminum Diecast, Alumite (Black)		
	Reading Window	Acrylic		
Software		AutoVISION, Visionscape FrontRunner		

*1. These symbolologies are supported based on Omron's read capability validation standard. Omron recommends that validation be performed for each application.

*2. Unless otherwise specified, reading performance is defined with center of field of view, angle R=∞.

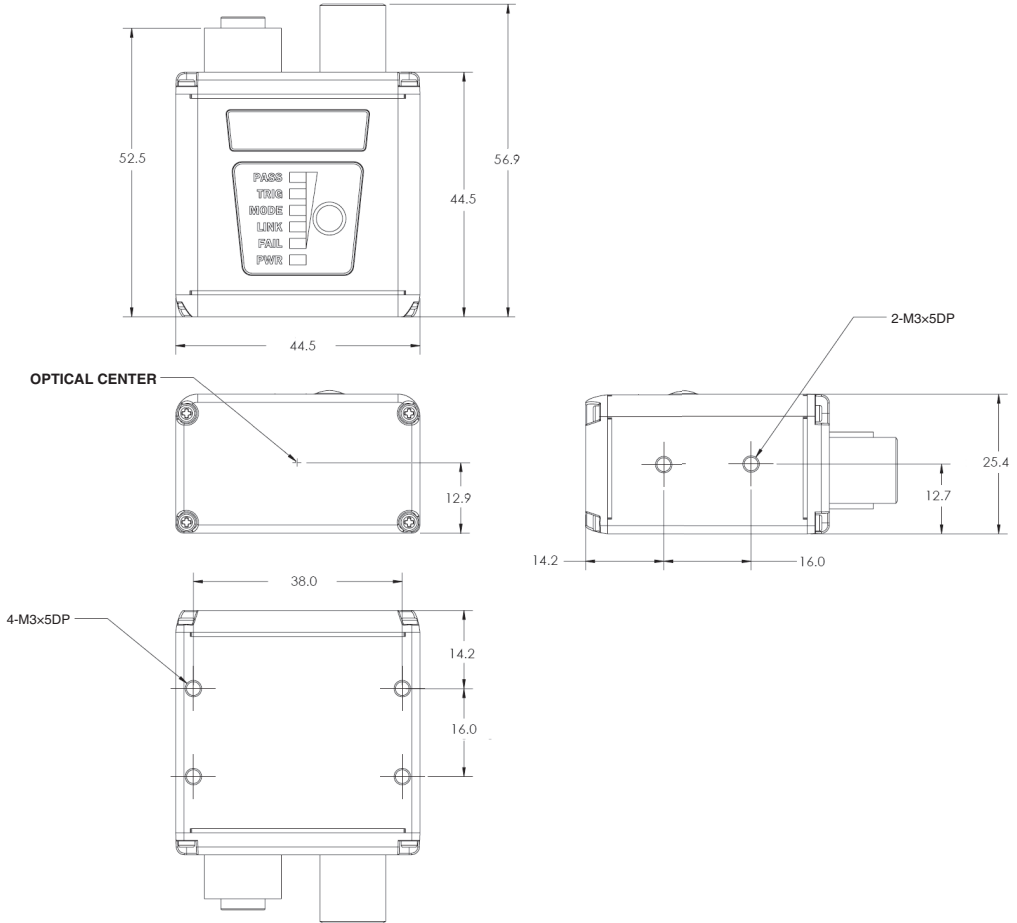


*4. In an electrically noisy environment, use only the F430-F in combination with a noise filter cable (V430-W□F-□M) to ensure proper operation.

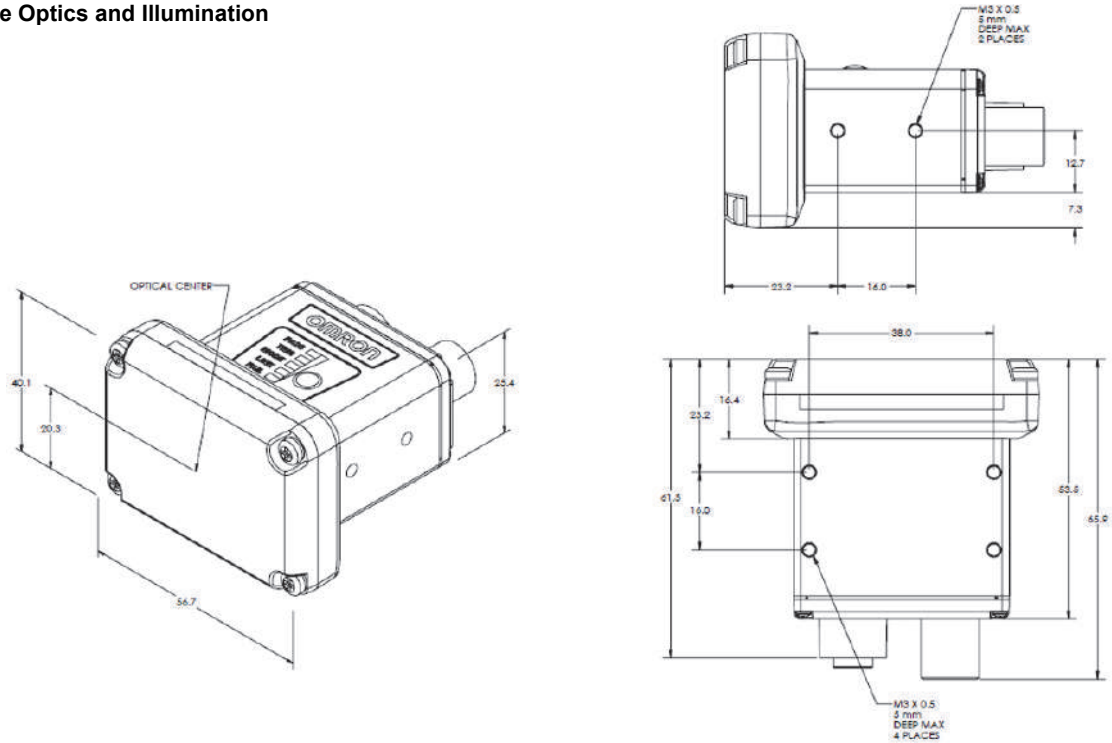
*5. UL certification rating is DC24V. Maximum ripple is 200 mV p-p.

Dimensions

F430-F

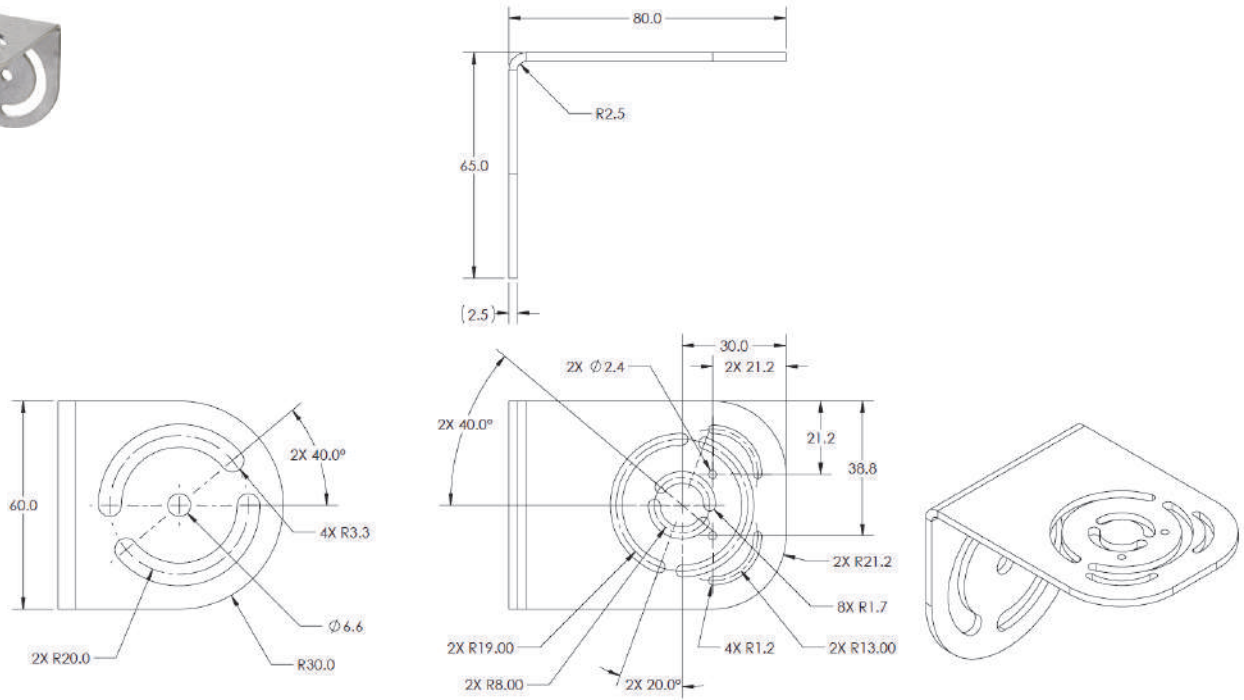


F430-F with Alternate Optics and Illumination

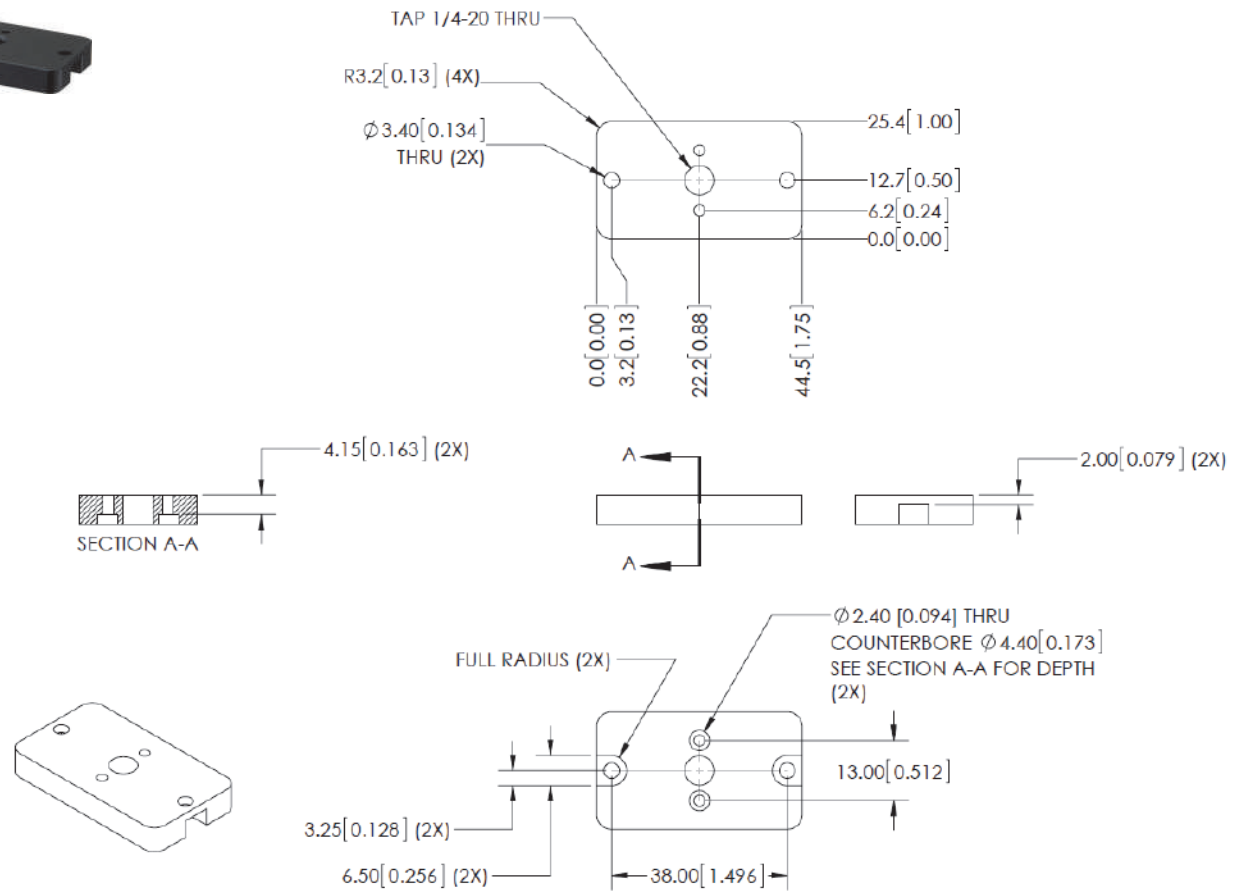


F430-F

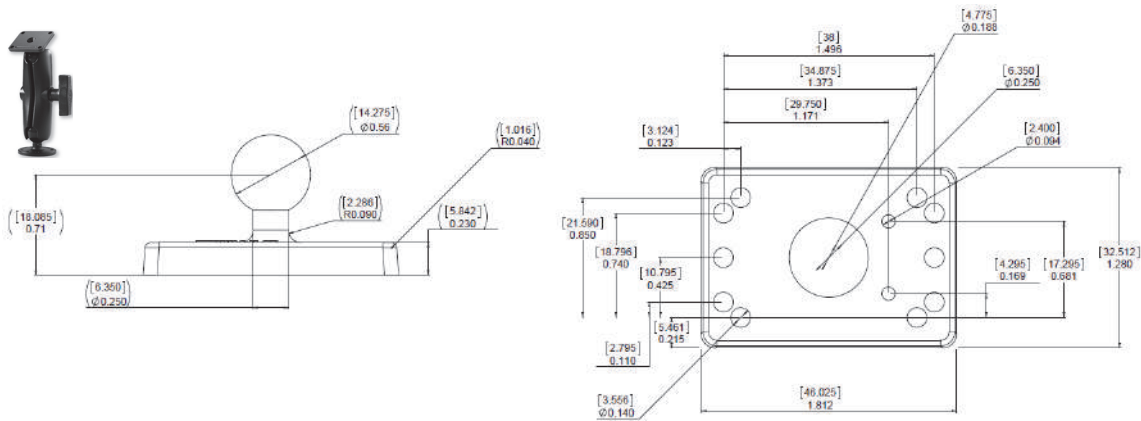
L Bracket Adjustable Angle Mounting Kit V430-AM0



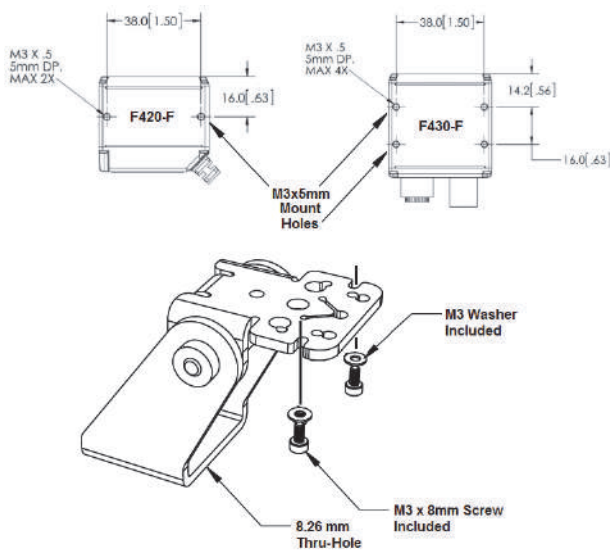
1/4-20 Camera Mounting Block Kit V430-AM1



4" (102 mm) Ram Mount Stand
V430-AM2



APG Pan and Tilt Camera Mount
V430-AM3



MS-4 / MINI to V/F4XX-F Adapter Plate
V430-AM5

