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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

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along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
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- Leasing / Rentals / Demos
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Keyence IV-500CA* at our website: ***Click HERE***



IV-500CA

Sensor, Standard distance, Color, Automatic focus model

SPECIFICATIONS

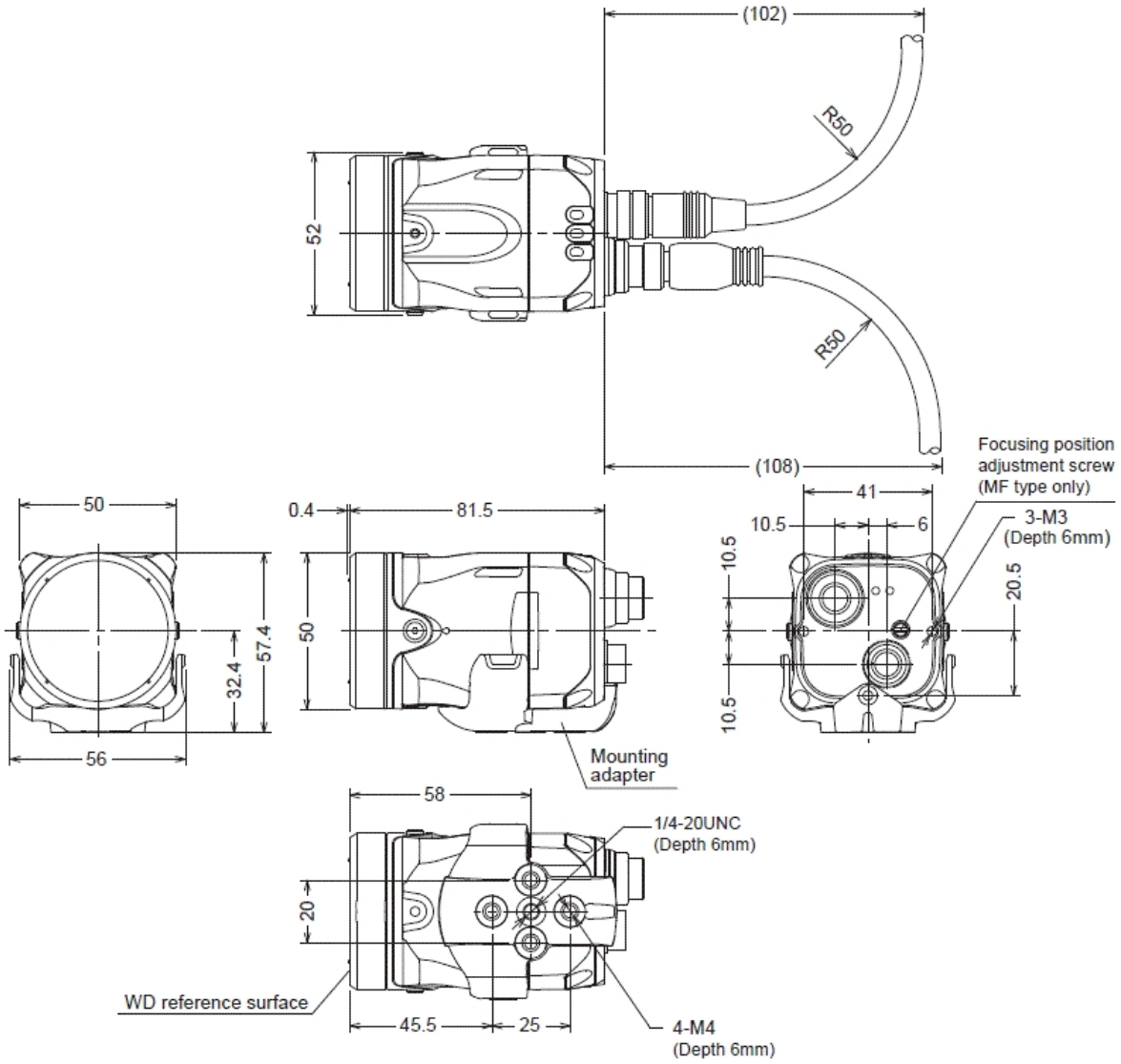
Model		IV-500CA
Type		Standard distance
Installed distance		50 to 500 mm 1.97" to 19.69"
View		Installed distance 50 mm 1.97": 25 (H) x 18 (V) mm 0.98" (H) x 0.71"(V) to installed distance 500 mm 19.69": 210 (H) x 157 (V) mm 8.27" (H) x 6.18" (V)
Image sensor	Type	1/3 inch color CMOS
	Pixel	752 (H) x 480 (V) 29.61" (H) x 18.90" (V)
Focus adjustment		Auto*1
Exposure time		1/10 to 1/50,000
Lights	Illumination	White LED
	Lighting method	Pulse lighting/DC lighting is switchable
Tools	Type	Shape Detection, Color Area*2, Area*3, position adjustment
	Number	Detection tools: 16 tools, position adjustment tool: 1 tool*4
Switch settings (programs)		32 programs
Image history	Numbers	100 images*5*6
	Condition	NG only/All is selectable*6
Analysis information		OFF/Statistics/Histograms is switchable Statistics: Processing time (latest value, MAX, MIN, AVE), number of OKs, number of NGs, trigger numbers, trigger errors, judgment results list by tools Histograms: Histogram, matching degree (latest value, MAX, MIN, AVE), numbers of OKs, numbers of NGs*7
Other functions		HDR, HighGain, Color filters*2, Digital zoom*3, Brightness correction, Tilt correction, White balance*2, Mask outline, Mask area, Test run, ToolAutoTune, Input monitor, Output test, Security settings, Simulator*8
Indicators		PWR/ERR, OUT, TRIG, STATUS, LINK/ACT
Input	Type	Non-voltage input/voltage input is switchable For non-voltage input: ON voltage 2 V or lower, OFF current 0.1 mA or lower, ON current 2 mA (short circuit) For voltage input: Maximum input rating 26.4 V, ON voltage 18 V or higher, OFF current 0.2 mA or lower, ON current 2 mA (for 24 V)
	Inputs	6 inputs (IN1 to IN6)
	Function	IN1: External trigger, IN2 to IN6: Enable by assigning the optional functions Assignable functions: Program switching, Clear error, External master image registration
Output	Type	Open collector output NPN/PNP is switchable, N.O./N.C. is switchable For open collector NPN output: Maximum rating 26.4 V 50 mA, remaining voltage 1.5 V or lower For open collector PNP output: Maximum rating 26.4 V 50 mA, remaining voltage 2 V or lower
	Outputs	4 outputs (OUT1 to OUT4)
	Function	Enable by assigning the optional functions Assignable functions: Total judge result, RUN, BUSY, Error, Position adjustment result, Judge result of each tool, Result of the logical operation of each tool
Ethernet	Standard	100BASE-TX/10BASE-T*9
	Connector	M12 4pin connector*9
Network function		FTP client, EtherNet/IP™, PROFINET
Rating	Power voltage	24 VDC ±10 % (including ripple)
	Current consumption	0.6 A or less
Environmental resistance	Enclosure rating	IP67*10
	Ambient temperature	0 to +50 °C 32 to 122 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions*11
	Shock resistance	500 m/s^2, 3 times in each of 6 directions*11
Material		Main unit case: Aluminium die-casting, Packing: NBR, Front cover: Acrylic, Mounting adapter: POM
Weight		Approx. 270 g

*1 The focusing position can be automatically adjusted at the time of installation. Deactivated during the operation. Focusing position can be registered by program.
*2 Color type only
*3 Possible with both the Color type and monochrome type
*4 Tools can be installed by programs.
*5 When using the FTP client function: 70 pictures
*6 Saves to the memory in the sensor. The images saved in the sensor can be backed up to the USB memory installed to the intelligent monitor (IV-M30) or to the PC by the software for IV (IV-H1).
*7 This can be displayed on the intelligent monitor (IV-M30) or by software for the IV/IV-G Series (IV-H1).
*8 Simulator can be used with the IV software (IV-H1).
*9 This is for connection with the intelligent monitor (IV-M30) or software for IV (IV-H1).
*10 Except when polarized filter attachment (OP-87436/OP-87437) is mounted
*11 Except when IV-G dome attachment (IV-D10) is mounted

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

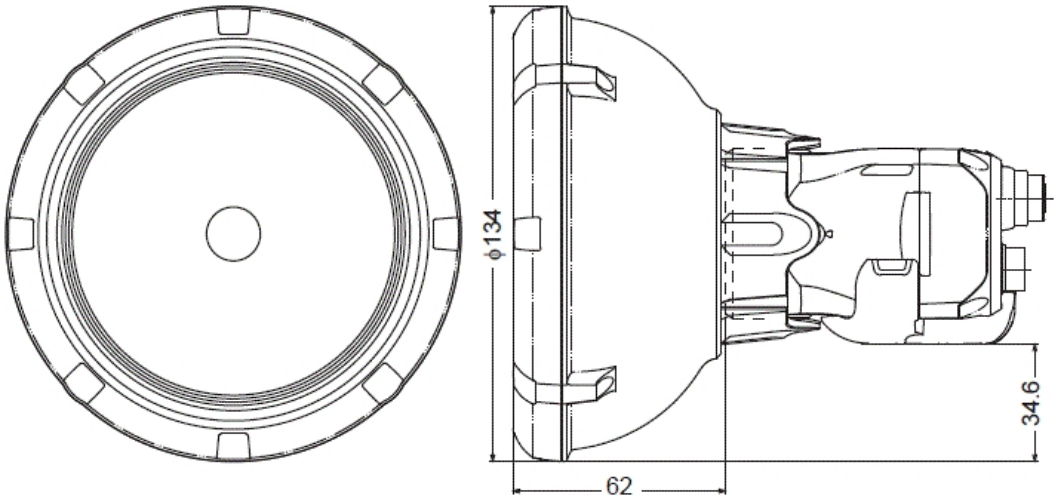
- IV-500C
- IV-500CA
- IV-150M
- IV-150MA
- IV-500M
- IV-500MA
- IV-2000M
- IV-2000MA



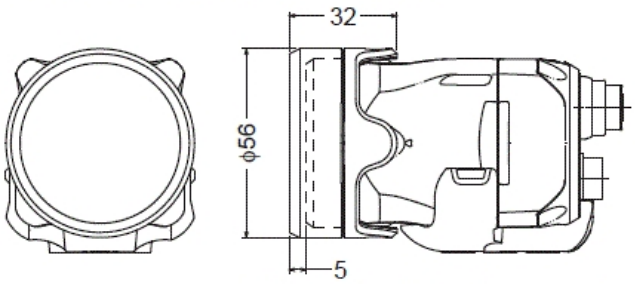
• **With dome attachment**

Installed distance: 0 to 50 mm from the front of the dome attachment

Compatible sensor: Standard range type/Short range type



• **With polarizing filter attachment**



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