

SMART CODE READER

AMID3X Series



INTRODUCTION

AMID3X Series, smart code reader can read different types of codes with reading speed up to 110 codes/sec. It adopts deep learning algorithm to process images with good robustness, and can recognize various complex codes.

Program can be configured via IDMVS Client Software, which could save development cost and time.

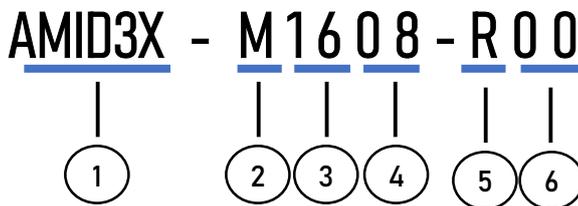
It can also communicate with most industrial protocol such as RS-232, Ethernet, IO, Modbus, Profinet, TCP.

Support one-key auto adjustment and easy to operate.
Includes I/O interface for input/output signals
Modularized light source design for various applications



RoHS

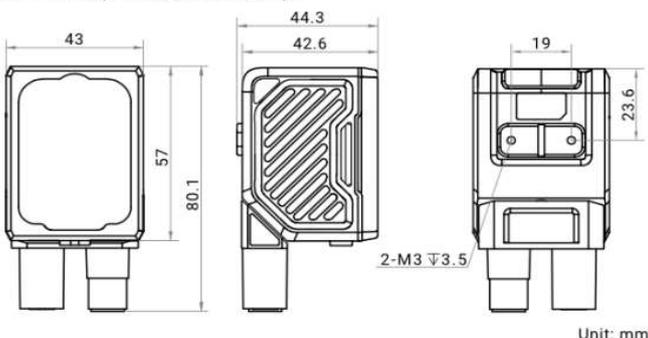
AVAILABLE MODELS



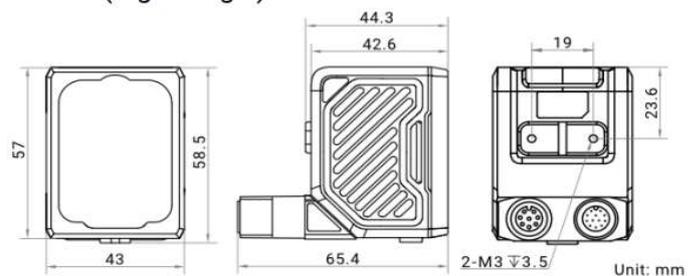
1	PRODUCT SERIES	AMID3X = AMID3X Smart Code Reader Seires
2	Manual / Mechanic Lens	M = Mechanical Lens
3	SENSOR RESOLUTION	16 = 1.6MP, 30 = 3.0MP, 50 = 5.0MP
4	LENS FOCAL LENGTH	08 = 8mm, 12 = 12mm, 16 = 16mm, 25 = 25mm
5	BUILT-IN LED LIGHT	R = Red LED + White Diffused Light
6	REMARK	00 = General Model

DIMENSION

Device (Straight Angle):



Device (Right Angle):



SPECIFICATION

Performance	
Symbologies	1D Codes: Code39, Code93, Code128, ITF25, CodaBar, EAN, MATRIX25, MSI, Industrial25, China Post, Code11
	2D Codes: QR Code, Data Matrix, Micro QR
Max Reading Speed	110 codes/sec
Communication protocol	Serial, TCP, UDP, FTP, Profinet, Modbus, Ethernet/IP
Sensor Characteristic	
Sensor type	CMOS, Global shutter
Pixel size	3.45 μm x 3.45 μm
Sensor size	1/2.9"
Resolution	1,408 x 1,024 pixels
Max frame rate	60 fps
Gain	0 dB to 24 dB
Exposure time	6 μs to 3 s
Electrical Information	
Data interface	17-pin, M12 connector for Power, Ethernet, Digital I/O, and Serial Port
Ethernet	Fast Ethernet
Digital I/O	Opto-isolated inputx3 (LineIn 0/1/2), Opto-isolated outputx3 (LineOut 3/4/5) RS-232 x 1 Button trigger supported.
Power requirement	24 VDC
Power consumption	6.2W @ 24VDC (Light source enable)
Mechanical Information	
Lens Mount	M12-mount, mechanical autofocus lens (optional)
Focal Length	6mm / 12mm / 16mm / 25mm (selectable)
Lens cap	Transparent + Polarized + Diffused Lens Cap
Light source	White LED. Red / Blue / NIR is optional
Indicator	Device body indicator, reading result indicator
Dimension	Straight configuration: 80.1mm x 43mm x 44.3mm Right Angle configuration: 58.5mm x 43mm x 65.4mm
Weight	Approx 195 g.
Ingress Protection	IP67 (under proper installation of lens and wiring)
Temperature	Working Temp: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ Storage Temp: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$
Humidity	20% to 95% RH, non-condensing
Others	
Client software	IDMVS
Certification	CE, KC, RoHS

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