

QR NAVIGATOR

AB-CM-2D-QR-AGV

ATOMBOTIX



- High performance decode algorithm, can be applied when DM code is under condition of dirty/defect/low contrast during operation
 - Embedded decode algorithm. High speed/accuracy
 - Support DM-12&DM-14 and DM code array
 - Embedded aviation plug, abundant IO interfaces
 - 5-way indicator for debug and camera status monitoring
- Support multiple UserSet parameter save/load/switch

Item	AB-CM-2D-QR-AGV
Performance Parameters	
Focal Length	3.37 mm
Work Distance	100 mm
FOV	110 mm × 93 mm
Max. Reading Speed	125 codes per second
Max. Operating Speed	3 m/s
Focusing Method	Fixed type
Light Source	white led
Depth Of Field	±20 mm
Angular Accuracy	0.1°
Displacement Accuracy	0.1 mm
Essential Parameters	
Max. Frame Rate	120 fps
Shutter Mode	Global
Pixel	5.4 μm × 5.4 μm
Black And White/Color	Mono
Lens Interface	M12
Trigger Mode	Single frame trigger/software trigger/free running
Software Kit	SVStudio
Certifications	CE, FCC, KC
Function	DM-12&DM-14, DM4x4
Connector	1 industrial grade M12 connector, including Ethernet and GPIO interfaces
Network Interface	100Mbps Ethernet
Communication	RS485, Ethernet, I/O
LED Indicator Light	Power supply, network, trigger, status
Packaging Dimensions	60 mm x 60 mm x 43 mm (excluding interface height)
Packaging Box Size	164 mm × 122 mm × 91 mm
Net Weight	<225 g
Gross Weight	<350 g
IP Ratings	IP65
Casing Material	Aluminum alloy

Electrical Parameters

Working Voltage	DC24V $\pm$ 10%
Rated Power	Disableillumination:<3.5 W @ 24V DC Enableillumination: <7.5 w @ 24V DC

Environmental Parameters

Operation Temperature	-20°C - +50°C
Working Environment	20% to 95%, no condensation
Storage Temperature	-30°C - +80°C

