iCode 2D Code Reader

The iCode 2D Code Reader is a high speed camera, using state of the art technology for scanning 1D and 2D codes at maximum production speeds in either orientation. Used in conjunction with the Array and MAQ+ controllers, the code image and data is learned, read and displayed within seconds in the Monet operating software. Setting up a new job is seamless with click and drag programming features.

The iCode 2D Code Reader camera provides superior quality assurance, scanning each code for mixed product detection and ensuring codes contain the same embedded information as the learned code.

Additionally, the iCode camera can read codes with variable data, identifying if a code is readable yet unique to the individual product. This can be useful for serialized or track and trace cartons used in pharmaceutical or for gaming promotions.
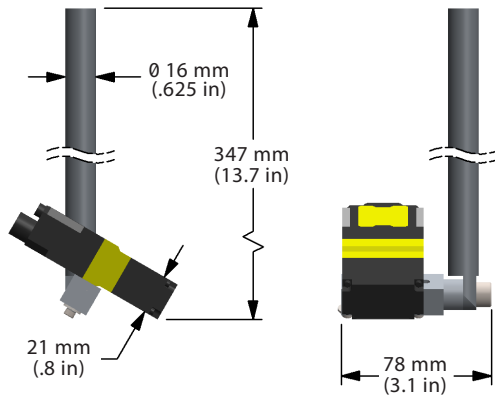
- Inspect one and two dimensional barcodes
- Can read codes in either orientation
- Translate code data
- Monitor for readable, yet unique/ variable data codes
- Multipe camera options
- Can read codes up to 225,000 / hr
- Simple setup through Monet Operating System
- Displays the image of the code
- Remote troubleshooting with iQ Smart Services

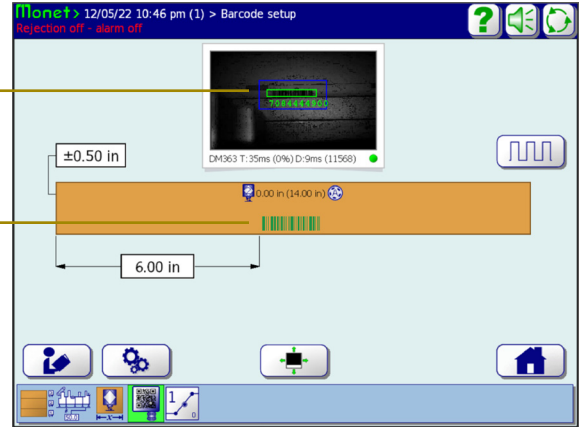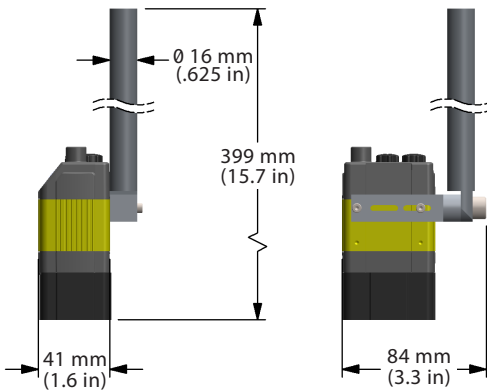## www.whleary.com

QUALITY ASSURANCE

iCode 2D Code Reader

MODEL: IC28

Ø 16 mm (.625 in)

347 mm (13.7 in)

21 mm (.8 in)

78 mm (3.1 in)

MODEL: IC37

Ø 16 mm (.625 in)

399 mm (15.7 in)

41 mm (1.6 in)

84 mm (3.3 in)

Monet iCode 2D Barcode Setup Page

Displays image of code and translates code data

Displays red or green based on pass/fail

COMPLETE STATION INCLUDES
- Camera
- Mounting hardware
- Cables
- Trigger

OTHER SPECIFICATIONS
- Maximum (1) iCode camera per (1) controller
- Camera speed determined by size of code and distance to inspection camera

SYSTEM REQUIREMENTS
- Leary Array or MAQ+ controller
- Barcode or pattern input on the controller
- Ethernet port on the controller
- Monet version 2.12.1.43 or higher required
- 8120 controller processor or higher

	CAMERA FIELD OF VIEW			TECHNICAL REQUIREMENTS		
	Focal Distance	FOV at Max Focal Distance	FOV at Min Focal Distance	Voltage	Power	Weight
Model IC28	100 - 200 mm (4 - 8 in)	60 x 45 mm (2.35 - 1.75 in)	37 x 27 mm (1.45 - 1.05 in)	5 W	24 VDC	725 g (1.6 lbs)
Model IC37	100 - 250 mm (4 - 10 in)	185 x 140 mm (7.3 x 5.5 in)	84 x 63 mm (3.3 x 2.5 in)	6 W	24 VDC	749 g (1.65lbs)

	MAXIMUM SPEEDS AT FIELD OF VIEW (FOV) / REGION OF INTEREST (ROI)				
	Monet 2.X OS	Monet 3.X OS			
	FOV = 100% of max FOV ROI = 25% of max FOV	FOV = 100% of max FOV ROI = 25% of max FOV	FOV = 25% of max FOV ROI = 25% of max FOV	FOV = 10% of max FOV ROI = 10% of max FOV	FOV = 6% of max FOV ROI = 6% of max FOV
Model IC28	1D / Data Matrix = 100,000 / hr QR Codes = 60,000 / hr	1D / Data Matrix = 100,000 / hr QR Codes = 60,000 / hr	1D / Data Matrix = 156,000 / hr QR Codes = 80,000 / hr	1D / Data Matrix = 189,000 / hr QR Codes = 92,000 / hr	N/A
Model IC37	1D / Data Matrix = 138,000 / hr QR Codes = 100,000 / hr	1D / Data Matrix = 138,000 / hr QR Codes = 100,000 / hr	1D / Data Matrix = 200,000 / hr QR Codes = 128,000 / hr	1D / Data Matrix = 212,000 / hr QR Codes = 145,000 / hr	1D / Data Matrix = 225,000 / hr QR Codes = 163,000 / hr

1. Check focal height and distance needed for code size
2. Check maximum speed for chosen camera, Monet version and code type