

ROBEYE SAMPLE TECHNICAL DATASHEET

GUIDANCE

Degrees of Freedom	6 (x y z Rx Ry Rz)
Volume of View (VOV) - $\delta x \delta y \delta z$ (Lens, standoff and illumination dependent)	8'x4'x2' down to 2"x2"x1"
Resolution* x	< 1 mm @ 8'x4'x2' VOV < 0.1 mm @2"x2"x1"
Resolution* y	< 1 mm @ 8'x4'x2' VOV < 0.1 mm @2"x2"x1"
Resolution* z	< 1 mm @ 8'x4'x2' VOV < 0.1 mm @2"x2"x1"
Resolution Rx	0.2 degrees
Resolution Ry	0.2 degrees
Resolution Rz	0.01 degrees
Calibration	NONE
Max number of Objects to teach	100
Emulation mode	Yes
Illumination Control	Yes

LOGGING & GRAPH

Image Logging	Yes
Data Logging	Yes
Communication History	Yes
Data Graph	Yes
User Log Book	Yes

ROBOT COMMUNICATION

TCP/IP socket messaging
Serial

TOOL CENTER POINT FINDER

Automated process

Uses the object itself

ROBOT BUILT-IN DRIVER

Comau - Kawasaki - ABB - Fanuc - Kuka - Motoman - Nachi

PANEL

24" x24" x 12" Enclosure

Convection Cooling

Industrial Controller

UPS and power supply

100 ~ 230 VAC Power Input

Industrial POE switch

CAMERA

Power over GigaBit Ethernet

IP67 Enclosure

M12 connection

Single cable operation

C-Mount Lens

Color

ILLUMINATION

High intensity LED

IP67 M12 connection