



samsara

Machine Vision System

INSTALLATION AND DEPLOYMENT GUIDE

What's included:



1x Camera Controller



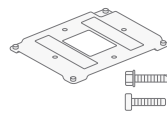
1x Camera



1x Controller Power/IO Cable



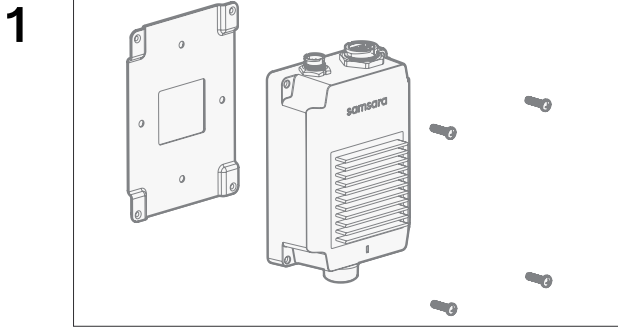
1x Camera Cable



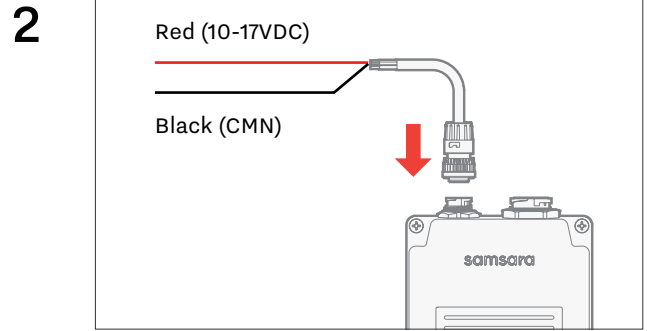
1x Controller Mounting Plate
4x Self-Tapping Screws
4x Flat-End Screws



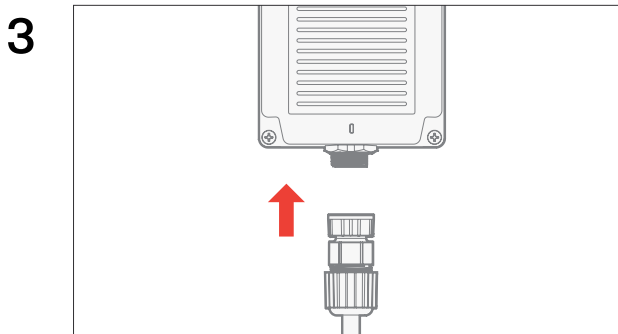
1x Camera Mount
1x 1/4-20 Flat-End Screw
4x M4 Flat-End Screws



1 Install Controller in a convenient location near the inspection point.



2 Connect Power/IO Cable to Controller and to power source (10-18V).

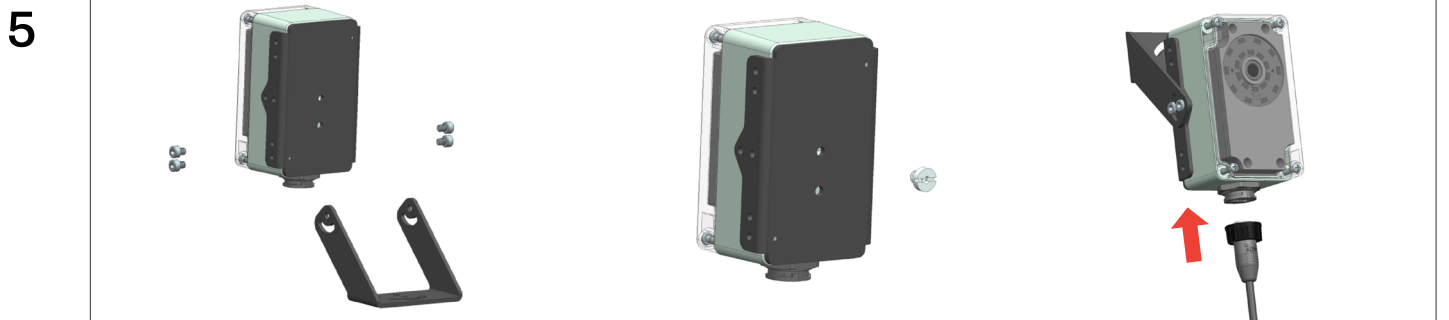


3 Connect Controller to Ethernet connection with access to the Internet.

Note: contact Samsara if you would like to receive units pre-configured with Wi-Fi credentials.

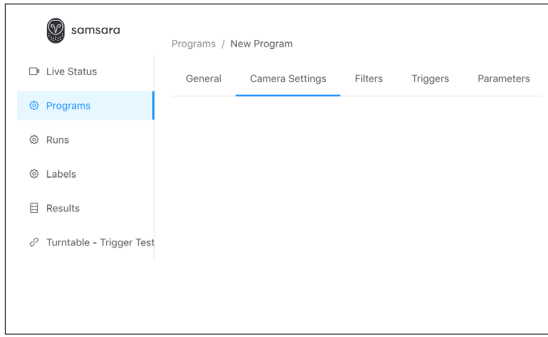


4 Claim Controller serial number into Samsara dashboard at cloud.samsara.com



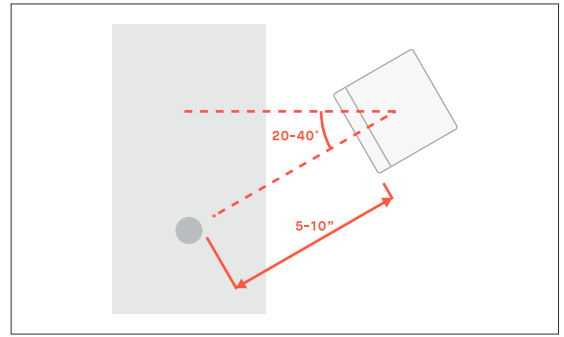
5 Mount and connect camera to the controller at point of inspection using the included cable and either the included 1/4x20 mounting screw or the included swivel mount and associated M4 screws.

6



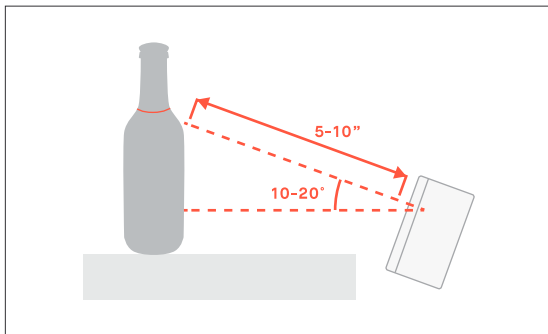
Navigate to Camera Configuration from the Dashboard to view the live camera feed and complete camera image setup.

7



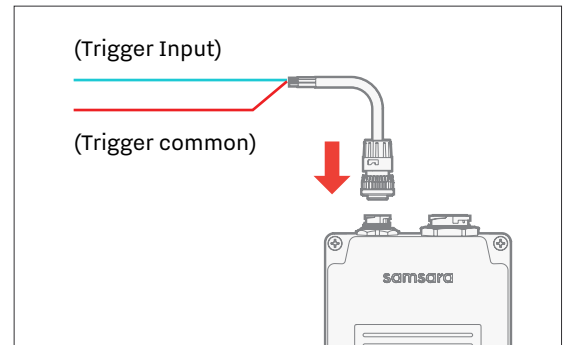
The camera should be mounted 5-10 inches back from the product and at enough of an angle to ensure that there is no direct glare that can obscure the area of the product under inspection.

8



For inspections of liquid fill level, ensure that the camera is “looking up” at the fill line rather than down in order to ensure the most consistent results.

9



Optional: Wire input trigger and digital output as appropriate (see Integration Guide to communicate triggering and results data over TCP rather than direct IO).