

# In-Position Technologies

## **CAMERA**

## **PLUG + PLAY VISION FOR UNIVERSAL ROBOTS**







# 5-MINUTE SETUP

Teach the workspace, then teach the object. You're done. No coding required.

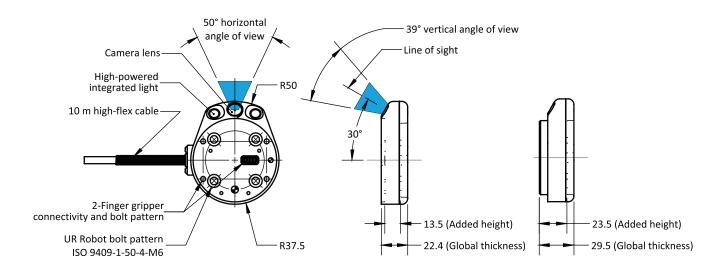
## PERFECT FIT FOR UR

Fits on all UR wrists and connects directly to the robot controller.

# NO EXTERNAL CONTROLLER

No external PC required to setup, program or run Camera.

## **ROBOTIQ CAMERA TECHNICAL DATA**



#### **CAMERA SPECIFICATIONS**

Maximal resolution	5 Mpx @ 2fps	2560 X 1920
Maximal framerate	30 fps @ 0.3 Mpx	640 X 480
Active array size	2592 X 1944	
Focus range	70 mm to infinity	
Autofocus	Yes	
Integrated lighting	6 LED diffuse white light	

#### **MECHANICAL SPECIFICATIONS**

Added height	13.5 mm (Without tool plate) 23.5 mm (With tool plate)	Distance between the robot flange and the tool base
Weight	160 g	Without the cable
Maximum load	10 kg	
Operating temperature	0°C to 50°C	
Environmental protection	Water-tight	
Operating conditions	Environment free from powerf explosive liquids or gases Non-condensing humidity leve Lense must be free from dust,	

#### **ELECTRICAL SPECIFICATIONS**

Nominal supply voltage	24 V DC ±20%	
Quiescent power consumption	1 W	
Maximum power consumption	22 W	When light is on
Communication interface	USB 2.0	Software package available for Universal Robots

VISION SPECIFICATIONS*	UR3	UR5	UR10
Minimum field of view (cm)	10 x 7.5	10 x 7.5	10 x 7.5
Maximum field of view (cm)	36 x 27	64 x 48	100 x 75
Minimum part size (% of field of view)	10%	10%	10%
Maximum part size (% of field of view)	60%	60%	60%
Maximum part height: smallest dimension	1:1	1:1	1:1

<sup>\*</sup> Vision spec will change according to the teached snapshot position, see instruction manual for details

Compatibility: Universal Robots UR3, UR5 & UR10 with controller CB3.1 or higher only