



www.newtonlabs.com

Model 7000 Vision System



The Model 7000 vision system is designed for use with a single Newton Labs Imager (or any NTSC camera). The Model 7000 is designed to be easily integrated with an appropriate imager and illumination source and is most commonly used for color inspection, color recognition, color tracking, color presence absence, color assembly verification and color based guidance.

Technical Specifications	
Construction	
Size:	5.25" x 2.5" x 8"
Weight:	4 lbs.
Enclosure:	NEMA rated extruded aluminum, completely enclosed
Mounting:	Various standard brackets
Processor:	Motorola 68332
Power:	18 to 36 VDC or 12 VDC
Connections	
Serial:	Standard DB9 for RS232/RS422
Power:	85-240 VAC, 47-63 Hz or 18-36 VDC
Inputs:	8 digital
Outputs:	16 digital plus 3 for busy, fail, busy/status
Imager:	NEMA rated 10 pin connector
Camera:	Video A – BNC connectors for vision output, Video B BNC connectors for camera output
Illumination:	DB25 connector for illumination source
Operations	
Speed:	Track objects of three different colors moving at over 100 feet per second
Set up:	Use with Newton Labs preprogrammed software algorithms for easy set up
Operating Temperature:	32 - 125 degrees F