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Model 8000 Vision System



The Model 8000 vision system is designed for use with a single Newton Labs Imager (or any NTSC camera). The Model 8000 is an extremely powerful yet low cost color vision system, designed to be easily integrated with an appropriate imager and illumination source and is used for a wide variety of vision tasks, including inspection, pattern recognition, high speed color tracking, color recognition/identification, color presence absence, color assembly verification and color based navigation/motion control.

Technical Specifications	
Construction	
Size:	9.25" x 3.5" x 9"
Weight:	9 lbs.
Enclosure:	NEMA rated extruded aluminum, completely enclosed
Mounting:	Various standard brackets
Processor:	Embedded MMX
Connections	
Serial:	Standard DB9 for RS232/RS422
Ethernet	10/100 baseT
Power:	85-240 VAC, 47-63 Hz or 18-36 VDC
I/O:	DB 37 connector to assure plenty of I/O options
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:	60 Hz update maximum, 5.6 billion pixel operations per second maximum
Set up:	Use with Newton Labs preprogrammed software algorithms for easy set up
Operating Temperature:	32 - 100 degrees F