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Model 8400 Vision System



The Model 8400 vision system is designed for use with up to four Newton Labs Imagers (or any NTSC cameras). The Model 8400 is a very powerful yet low cost multiple camera color vision system, designed to be integrated with the appropriate imagers and illumination sources and 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 navigation / motion control.

Technical Specifications	
Construction	
Size:	9.25" x 5" x 9.25"
Weight:	10 lbs.
Enclosure:	NEMA rated extruded aluminum, completely enclosed
Mounting:	Various standard brackets
Processor:	Embedded MMX
Power:	18 to 36 VDC or 12 VDC
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:	2 digital per 4 channels (cameras)
Outputs:	2 digital per 4 channels (cameras) also 2 for busy, fail, busy/status
Imager:	4 x 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