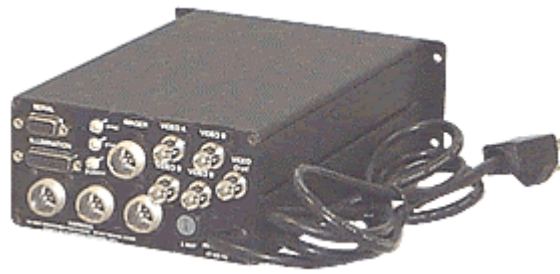




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Model 7400 Vision System



The Model 7400 vision system is designed to be used with up to four Newton Labs Imagers (or any NTSC cameras). The Model 7400 is designed to be easily integrated with appropriate imagers and illumination sources and is most commonly used for high speed color tracking, color inspection, color recognition / identification, color presence absence, color assembly verification, and color based navigation / motion control.

Technical Specifications	
Construction	
Size:	7.25" x 3.5" 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:	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:	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