

Intellect™ Software

Intellect has a full suite of vision tools that provide unparalleled accuracy and robustness for entry level vision applications.

Tool Category	Advantages
Positioning	
<ul style="list-style-type: none"> Position along line Area positioning Circle fit Line fit 	Quickly locates a single part using advanced algorithms like Geometric Pattern Match, Blob, or extremely fast line tools.
Counting	
<ul style="list-style-type: none"> Count along line Count in area Replicator tool 	Quickly locates and counts multiple parts using algorithms like Geometric Pattern Match, Blob, or extremely fast line tools for edge counting.
Flaw Detection	
<ul style="list-style-type: none"> Color monitoring Defect detection 	Detects small changes in part appearance or monitor color variations in several color spaces.
Identification	
<ul style="list-style-type: none"> Color identification Blob identification 	Builds a model for a part based on either shape or color data for sorting applications. Models can quickly be added as new configurations are produced.
Filtering	
<ul style="list-style-type: none"> Filters 	Preprocessing filters allow manipulation of the image before inspection tool processing.
Reader	
<ul style="list-style-type: none"> 1D codes 2D Reader OCR/OCV Reader 	Designed to decode 1D, 2D, or OCR/OCV strings. Grading is available on both 1D and 2D codes.
Measurement	
<ul style="list-style-type: none"> Measure along line Measure in area Measure in circle Measure with points and lines Datum Statistics 	Measurement tools precisely gauge distances, angles, find radii, and fit lines to ensure parts are within user tolerances. Statistics and datum points can be used to monitor trends in gauging.

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www.cognex.com (Americas)
www.cognex.net (Europe and Asia)

For more information contact your local Cognex Automation Solution Provider

Low-Cost Machine Vision Redefined

Flaw Detection
 OCR/OCV
 Gauging
 Assembly Verification
 Object Location
 Part Identification



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New DVT[®] Vision Sensors Come Fully Loaded At An Entry-Level Price

Cognex[®] has redefined entry-level vision with a new price-performance standard. Combined with Intellect 1.3 software, the new DVT 515, 535 and 545 vision sensors are the most versatile and easy-to-use vision sensors in their class. Get more than you ever thought possible from an entry-level vision sensor.

DVT 515



NEW LOW-COST STANDARD IN VISION SENSORS

- New CMOS imager outperforms traditional CMOS with less blur and noise, and increased light sensitivity
- New processor delivers fastest inspection speeds for low-cost vision sensors
- Built-in Ethernet connectivity for easy integration into the factory network

DVT 535



BEST PRICE-PERFORMANCE IN THE INDUSTRY

- 50 percent speed improvement over DVT 515 vision sensor
- New CCD imager provides sub-pixel resolution for high accuracy gauging applications
- Includes complete library of vision tools including ID and OCR/OCV

Note: All cameras shown with optional LED lighting.

DVT 545



PREMIUM PERFORMANCE FOR THE DVT PLATFORM

- Paired with Intellect 1.3 to offer a premium performance vision sensor
- 4x processing speed of a DVT 515 vision sensor
- Like DVT 535, new CCD imager provides gauging accuracy and resists image blooming