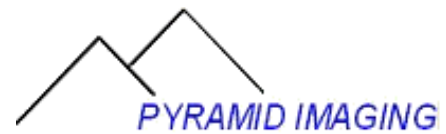# TOTAL HARDWARE INDEPENDENCE

Now you can get the world's top vision software—no matter which camera, frame grabber, or direct-connect digital standard you use.

Support for all image capture needs

Broad Camera Support

VisionPro captures images from hundreds of industrial cameras, covering the complete range of video formats and acquisition requirements. Strategic Cognex relationships with major camera suppliers enable early support of new cameras and technology. VisionPro provides open camera support, as well as configuration and diagnostic tools. This enables customers to configure, analyze, and modify cameras for numerous acquisition platforms.
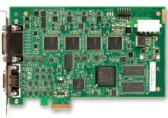

Acquisition Independence

VisionPro software provides pre-configured, tightly integrated acquisition from both Cognex hardware and direct-connect digital cameras. For images from any other source, such as microscopes or 3rd-party frame grabbers, VisionPro provides a flexible acquisition architecture. This allows customers and vision partners to develop custom interfaces for any programmable image source.

Direct-Connect Technology

GigE Vision® acquisition provide a broad range of digital cameras with attractive features and high performance. Direct-connect technology takes advantage of the latest PC architectures to provide reliable image acquisition without a traditional frame grabber.

Frame Grabber

Both Camera Link® and analog frame grabbers can be used with VisionPro. This provides fail-safe image capture with image buffers, advanced error detection, and dedicated multi-channel hardware.

Acquisition Alliance

Cognex maintains strategic relationships with major camera suppliers through our Acquisition Alliance program. Through the Acquisition Alliance, Cognex establishes cooperative sales and marketing efforts and strong technical relationships, leading to rapid integration of new cameras with VisionPro. Cognex supports hundreds of industrial cameras and video formats covering the complete range of acquisition requirements typically used in machine vision.
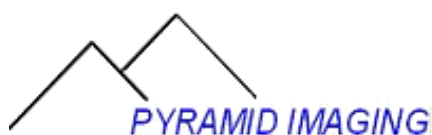
SPECIFICATIONS

	BASE	PLUS	MAX	DEV
Cognex Designer*[1]	✔	✔	✔	✔
QuickBuild Application Development	✔	✔	✔	✔
Cognex Frame Grabber Acquisition	✔	✔	✔	✔
GigE Acquisition	✔	✔	✔	✔
3rd Party Image Acquisition	✔	✔	✔	✔
Image Display	✔	✔	✔	✔
Image Processing Library	✔	✔	✔	✔
Geometric Finding and Gauging Tools	✔	✔	✔	✔
Calibration	✔	✔	✔	✔
Caliper	✔	✔	✔	✔
Blob	✔	✔	✔	✔
1DMax		✔	✔	✔
2DMax		✔	✔	✔
OCV		✔	✔	✔
OCRMax		✔	✔	✔
MultiThread		✔	✔	✔
Color Tools		✔	✔	✔
Nonlinear Grey Correlation Search		✔	✔	✔
PatQuick		✔	✔	✔
PatMax			✔	✔
PatMax AutoTune			✔	✔
PatMax MultiModel			✔	✔
SnytheticPatMax			✔	✔
PatInspect			✔	✔
PatFlex			✔	✔
SearchMax			✔	✔
OCVMax			✔	✔
Symbol Verification			✔	✔
3D Measurement Tools*[2]				✔

Notes:
*1 Cognex Designer is only available with the Development dongle, VC5, CC24 Comm Card, or 8704E GigE Framegrabber
*2 3D Measurements Tools are exclusive to the Cognex Displacement Sensor series

PYRAMID IMAGING

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