

**COGNEX®**

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# VisionPro 9.5 SR2

## About This Release

10/9/2019  
Version 1.0

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## OMNIVIEW

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## BGA II and BGA III

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## Wire Bonder

5495537, 5532739, 5581632, 5602937, 5640199, 5640200, 5642158, 5676302, 5754679, 5757956, 5768443, 5825483, 5835622, 5850466, 5859923, 5861909, 5949905, 5978080, 5991436, 5995648, 6002793, 6005978, 6035066, 6061467, 6075881, 6137893, 6141033, 6157732, 6167150, 6215915, 6289492, 6324299, 6381375, 6408109, 6411734, 6421458, 6457032, 6459820, 6490375, 6516092, 6563324, 6658145, 6690842, 6748110, 6751361, 6771808, 6804416, 6836567, 6850646, 6856698, 6959112, 6975764, 6985625, 6993192, 7006712, 7016539, 7043081, 7058225, 7065262, 7088862, 7164796, 7171036, 7190834, 7242801, 7251366

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## About This Release

VisionPro 9.5 SR2 contains new or changed features since the previous release of VisionPro 9.5 SR1.

### Supported Operating Systems

VisionPro 9.5 SR2 supports development and deployment on single or multiprocessor machines using native languages (English, Japanese, German, Korean, and Simplified Chinese) on a variety of Windows 64-bit operating systems:

#### Operating Systems for 2D Features

VisionPro supports the following operating systems for 2D vision tools and features:

- Windows 10 and Windows 10 IoT Enterprise
- Windows 8 Embedded for Vision Controllers
- Windows 7 Premium, Professional and Ultimate (Service Pack 1)

#### Operating Systems for 3D Features

VisionPro supports various 3D sensors and 3D vision tools based on your operating system:

3D Hardware/Feature	Required OS
VisionPro with the DS1000 and DS900 series sensors	Windows 10 Pro and Windows 10 IoT Enterprise Windows 7 Premium, Professional and Ultimate (Service Pack 1)
VisionPro with the DSMax series sensors	Windows 10 Pro Windows 7 Premium, Professional and Ultimate (Service Pack 1)
3D-A5000 sensor with A5000 Viewer and 3D HandEye Field Calibrator	Windows 10 Pro
CAD Import Tool	Windows 10 Pro
Cognex 3DExpress	Windows 10 Pro Windows 7 Premium, Professional and Ultimate (Service Pack 1)

### Supported Development Environments

VisionPro 9.5 SR2 supports development and deploying using the following compilers that target the .NET Framework version 4.7.2:

- Microsoft Visual Studio 2015 (v. 14.0), Update 3
- Microsoft Visual Studio 2017 (v. 15.0)

### Acquisition Platforms

Refer to the VisionPro Camera Support website

(<https://www.cognex.com/products/machine-vision/vision-software/visionpro-software/visionpro-camera-support>) for a complete list of cameras VisionPro supports. Be aware that not all acquisition platforms are supported on all operating systems.

- GigE Vision and related performance drivers
- 3D-A5000 3D Sensor

- DS1000 Series 3D Sensors
- DS900 Series 3D Sensors
- DSMax Series 3D Sensors
- MVS-851x series (Only MVS-8511, MVS-8511e, MVS-8514, MVS-8514e)
- CFG-8700 series

### Security Key Firmware

VisionPro uses a USB security key attached to your computer to ensure the software is properly authorized for use. This release supports firmware version 4.10 for VisionPro security keys. See your installed VisionPro documentation for details on how to check the firmware on your key.

If you are using a security key with a previous version of firmware, contact Cognex Support for assistance in upgrading to the latest version. Keep your security key firmware up to date to take advantage of the latest features and improvements to Cognex software security.

### New Features in This Release

The release supports the following new features:

- Customer Reported Issues
- Demonstration Key
- Dropped Support for Microsoft Visual Studio 2013
- Dropped Support for MVS-8602e
- Dropped Support for Standalone 3D Viewer

#### Customer Reported Issues

This release includes fixes for several customer-reported issues. See your installed VisionPro documentation for a list of issues addressed by this release.

#### Demonstration Key

This release supports demonstration keys that provide security licenses with a set time limit. See your installed VisionPro documentation for more information.

#### Dropped Support for Microsoft Visual Studio 2013

This release drops support for developing your custom application using Microsoft Visual Studio 2013.

#### Dropped Support for MVS-8602e

This release drops support for the MVS-8602e and the Camera Link Serial Bus Programming Utility (cogclserial.exe).

#### Dropped Support for Standalone 3D Viewer

This release drops support for the standalone 3D viewer to open and view saved CogImage16Range images.

### Find Additional VisionPro Documentation Online

The [VisionPro Support website](#) contains additional VisionPro documentation not included with your VisionPro installation.

## Needed Instruction Sets

The following table lists the specific instruction set your processor must support for various vision tools:

<b>Tool</b>	<b>Instruction Set</b>	<b>Notes</b>
PMAlign	SSE4.1	Instruction set needed for 16-bit image analysis only
PMRedLine	SSE4.1	
3D PatMax	AVX2	Any AVX instruction sets prior to AVX2 are not sufficient for 3D PatMax and may cause your 3D PatMax application to stop responding.