



heliotis

advancing 3D metrology

# Machine Vision Companion for heliInspect™ H8/H9



The Vision Controller VC4 enables the rapid development and deployment of vision applications.

It comprises a powerful vision PC, PLC interfaces, and advanced, yet easy to use machine vision software.

## Build your application visually

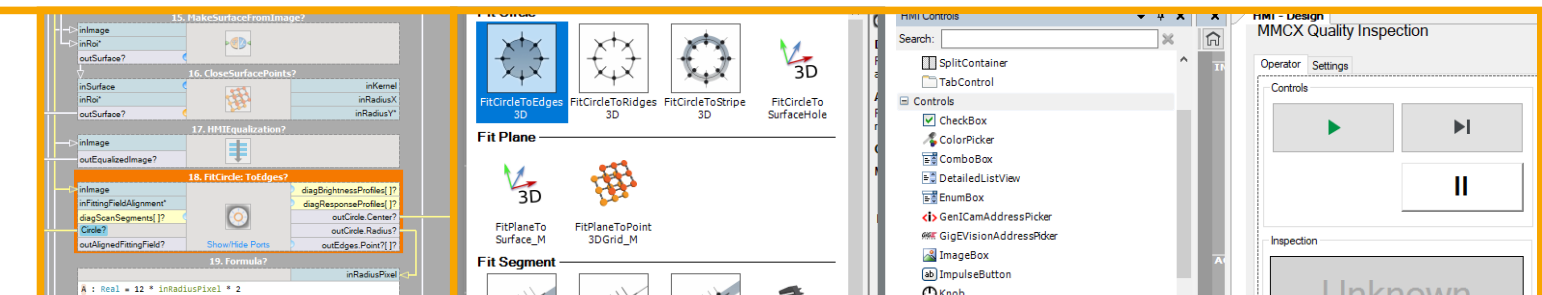
- Drag & drop vision operators
- Set parameters and connect outputs

## Create your operator HMI

- Drag & drop controls to the HMI panel
- Connect controls with the application

## Deploy your machine vision application

- Create a standalone executable



Visual Data Flow

Rich Library

HMI Designer

Model	VC4.0-B1-P1-Ax-lxx
3D sensors supported	Up to 3 heliospect H8/9 (via Gen< >Cam)
Vision software	Adaptive Vision Studio 5.1 Professional <ul style="list-style-type: none"> <li>• Visual application development via drag &amp; drop</li> <li>• Data-flow based software</li> <li>• Integrated HMI builder</li> <li>• 1000+ machine vision operators</li> <li>• Optimized for multi-core processors</li> <li>• Heliotis templates and examples</li> <li>• Run-time only versions available</li> </ul>
Operating system	Windows 10 Pro
CPU / RAM	Intel® Core™ i7-7600U CPU @ 2.80 GHz, 2904 MHz, 2 Cores, 4 Logical Processors, 16GB DDR4 2133 MHz
Storage	<ul style="list-style-type: none"> <li>• 128GB SATA III SSD</li> </ul>
PLC interfaces	<ul style="list-style-type: none"> <li>• 16x DI, 16x DO (isolated)</li> <li>• 1x COM RS 232/422/485 (isolated)</li> <li>• 3x COM RS 232/422/485</li> <li>• 2x EtherCAT or 2x PROFINET or 2x EtherNet/IP</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>• 4x USB 3.0</li> <li>• 3x GigE LAN with 2 PoE+</li> <li>• DVI-I, DVI-D dual HD displays up to 1920 x 1200 @ 60 Hz</li> </ul>
Display language	DE, EN, JPN, PL, CHN
Power	6 - 36 V DC with 80 V surge protection, 160W
Operating temperature	Fanless operation -45 °C to 75 °C
Humidity	5% to 95% non-condensing
Shock / Vibration	IEC 60068-2-27 / IEC 60068-2-64
EMC	CE, FCC, EN50155, EN50121-3-2
Mounting	DIN rail, wall mount
Dimensions	186 mm x 147 mm x 82 mm
Weight	2200 g

