

CKD

Advanced Visual programming tool for image processing

Facilea Pro

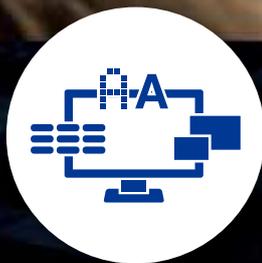
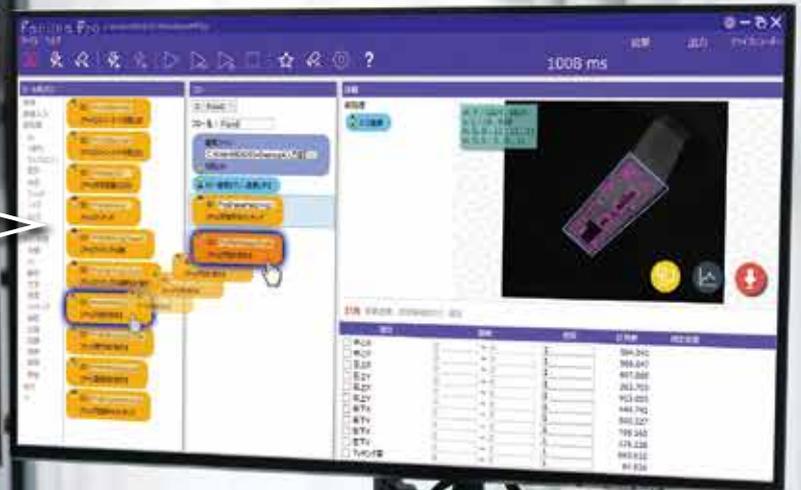
Advanced Visual Programming Tool for Image Processing

Taking image processing one step further. Driving the evolution of the automated society.

In addition to the features and ease of Facilea, it has more advanced image processing. Conforms to GenICam standards, greatly increasing connection components. It flexibly supports template matching of workpieces with size differences or three-dimensional inclinations.

Facilea Pro Dedicated block Added!

Enables free and advanced image processing with a variety of functions and ease of use.



More advanced



Easier to connect



More flexible

Measurement / Judgment Processing Example



Character recognition is possible even if noise is generated



In addition to the recognized code string, position information and tilt measurement are possible.



Special characters, such as dotted characters, are recognized



Edge detection is performed for each of a plurality of areas. Burrs and chips can be inspected



Three-dimensional tilt matching is possible

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CC-1665AA

Function list

Item	Facilea	Facilea Pro	Facilea AI <small>Japan only release</small>
Image input	○	◎	-
Template / Shape matching	○	◎	-
1D/2D code reading	○	◎	-
Figure Measure	○	◎	-
Character recognition	○	◎	-
Various measurements (area/number/edge, etc.)	○	○	-
Calculation	○	○	-
Binarization	○	○	-
Color conversion	○	○	-
Image deformation/synthesis	○	○	-
Various filters	○	○	-
Morphology	○	○	-
Noise removal	○	○	-
External output	○	○	-
Input trigger	○	○	-
AI	*	*	◎

*By combining Facilea/Facilea Pro with Facilea AI, AI functions can be used.

Specifications

Item		Content	
Part name		Facilea Pro	
Model No.		AES-FACIPRO-1	AES-FACIPRO-2
Type		Facilea Pro body	Renewal license
Operating Environment	OS	Windows11/10 64bit	
	CPU	Intel Celeron CPU N3050 1.60GHz or more	
	Required Memory	4GB or more	
	Required Disk Space	10GB or more free space	
	.NET Framework	4.6.1 or more	

Caution

- The accuracy of this product is not guaranteed, as the accuracy varies depending on the operating environment and equipment used.
- If the detection processing image size [1024×1024] is selected with the OCR function of Facilea Pro, PC memory 8GB or more is required.
- This product conforms to general GenICam, UVC, and RTSP standards, but may not operate if camera-specific specifications are present.
- If multiple cameras are connected to the USB hub, the operation may become unstable.
- If the camera is plugged in or unplugged while the application is running, it may not operate properly.
- The number of flows can be up to two for simultaneous processing of multiple flows.
Please check with your PC as more simultaneous processing will depend on the operating environment.
- The program will run only when the USB dongle is plugged in.
- The warranty period for this product is one (1) year from the initial delivery to the customer's designated site.
For details of the warranty, please check the CKD website.
- AES-FACIPRO-1 is subject to the US Export Administration Regulations (EAR99).

Remarks

- The latest version will be available for download for one year from the purchase of the device and one year from the purchase of the update license.
- For the list of supported devices, please log in to "CKD plus" on the CKD website.
URL: [https://www.ckd.co.jp/kiki/en/member/login?ret=/product/detail/973/Facilea\(AES\)](https://www.ckd.co.jp/kiki/en/member/login?ret=/product/detail/973/Facilea(AES))



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