

Description of the BIS510 / VOS412-BIS result data and parameters

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1. Invoking Result Parameter

Result parameter will be sent after:

- Image taking
- Teaching
- Calling state
- Sheet verification

The result parameter have the **CONFIGURATION Id="Result"**.
The number and kind of result parameter differs in various situations.

2. Result Parameter

There are two kind of result parameter:

- Result data (*PF.Foundation.Protocol.XML.ElementResult*)
- Shape data (*PF.Foundation.Protocol.XML.ElementShapeBase*)

The shape data is prepared to be drawn directly in the image. They consist of geometrical forms (e.g. *ElementShapeRectangle*) or labels (e.g. *ElementShapeText*). They contain information about position and size.

Result data only offers text data. This data will be sent in barcode modus and after teaching.

2.1. Result data

The result data are transmitted by the event *SensorResultDataReceived*. They are accessible in the Eventhandler by the methods *GetResultList* and *GetResultParameter*. The Result Parameter IDs are:

Event	Parameter ID	Value	Description	From Firmware
Trigger	BCString		Barcode content	1904
	BCType		Barcode type (Code128, Pharmacode and so on)	4014
	BCTime	0..200 ms	Decoding time for the barcode	4014
	BCLQuality	0..100% /0..100%	Location quality; 100%/100% means barcode is exactly in the center of the image.	4518
Teach	Check	"SEARCH_GOOD" "SEARCH_NORMAL" "SEARCH_WEAK"	Simple teach-quality	3365
	TeachIndex	1..5	Index of image taken as a reference	1904
	TeachPosition		Position of image taken as a reference	3049
	TeachQuality	1..16	Detailed teach-quality: 1-> worst quality, 16-> best quality	1904

2.2. Shape Data

The shape data are transmitted by the event *ShapeDataReceived* and *ImageDataReceived*. They are accessible via the method *GetShapes*. The Shape ParameterIDs are:

Type	Parameter ID	Text	Description	From Firmware
Element-ShapeText	ImageType	ActImage ErrImage TeachImage	Current image Error image Reference image	1904
	OperatingMode	Correlation Greylevel CodeCompare	Image compare mode Weak image compare mode (use global values) Barcode compare mode	1904
	Result	PatternGood PatternBad BarcodeGood BarcodeNoRead	Image comparison is good This image is unequal to reference image Barcode comparison is good Cannot read barcode	1904
	BCCompare		Reference code content	1904
	BCString		Barcode content	3636
	BCType	Code128 Code39 Code13 2of5 Interleaved Pharmacode	Barcode types	4014
	BCTime	0..100 ms	Decoding time for the barcode in ms	4014
	BCLQuality	0..100% /0..100%	Location quality; 100%/100% means barcode is exactly in the center of the image.	5430
Element-ShapeRect-angle	Check		Region of interest	1904
	Ref		Reference position; anchor point for image comparison	1904