

# Description of the OPC / OPD / OPE result data and parameters

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## 1. Invoking Result Parameter

Result parameter will be sent after:

- triggers
- Image transfers
- counter value requests ("ShowCounter")

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

## 2. Result Parameter

There are two kinds of result parameter:

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

Shape data are prepared to be drawn directly into the image. They contain geometrical forms (e.g. *ElementShapeRectangle*) or labels (e.g. *ElementShapeText*) and informations about position, size and colour.

Result data only offers text data and are sent after every trigger.

## 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	ResWx		Window x: barcode content (decoded string)	8597
	ResWxType	DataMatrix, 2of5 interleaved, Code39, Code128, EAN/UPC/JAN, Pharmacode	Window x: barcode type	8597
	ResxTime	0..65535ms	Window x: Decoding time	8597
	ResxQual	0..100% /0..100%	Window x: Location quality horizontal/vertical; 100%/100% means barcode is exactly in the center of the image.	8597
ShowCounter	CtrCaptured	0...	Number of captured images	8606
	CtrLogoMatch	0...	Number of succesful logo comparisons	8606
	CtrFailedRead	0...	Number of failed decodings	8606
	CtrFailedMatch	0...	Number of mismatched decodings	8606

## 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	Resx		Window x: barcode content (decoded string)	8597
	ResxTime	0..65535ms	Window x: Decoding time	8597
Element-ShapeRectangle	Readx		Window x: bounding box around barcode	8597