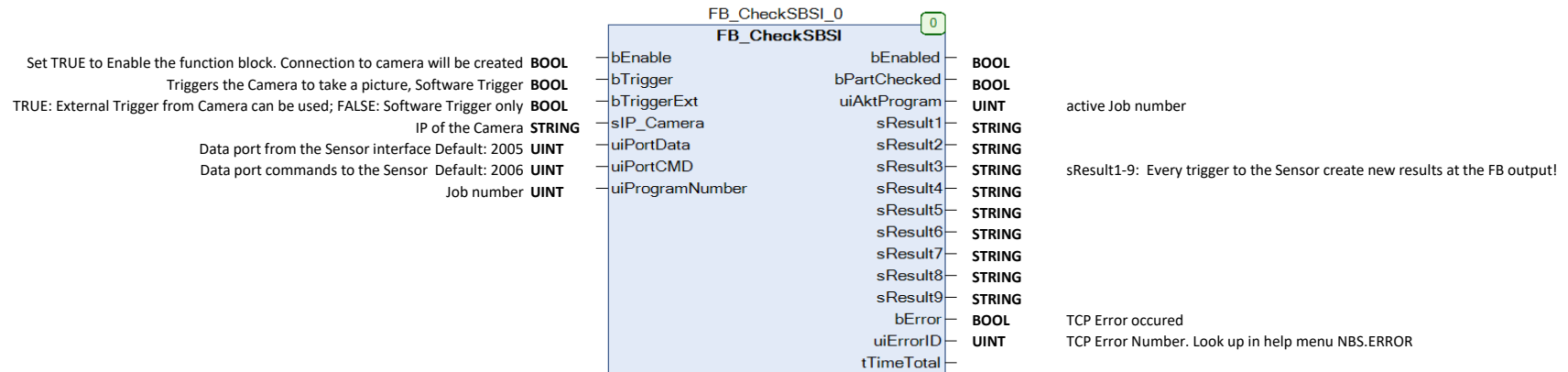
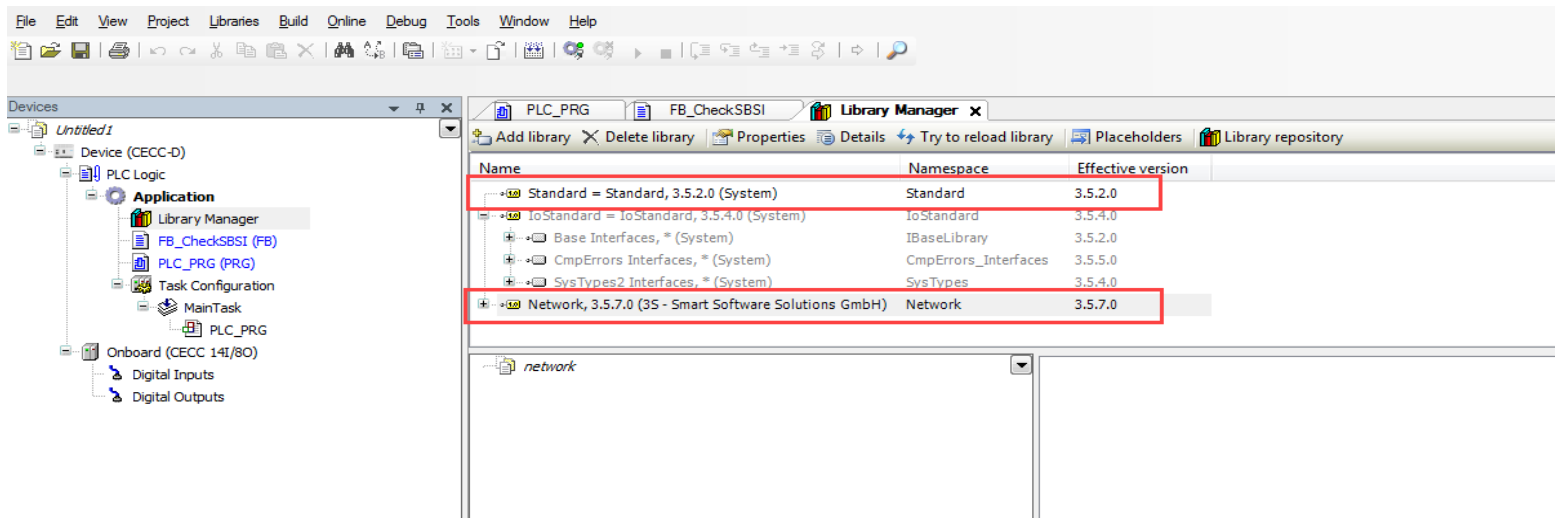


Basic description of the FB:

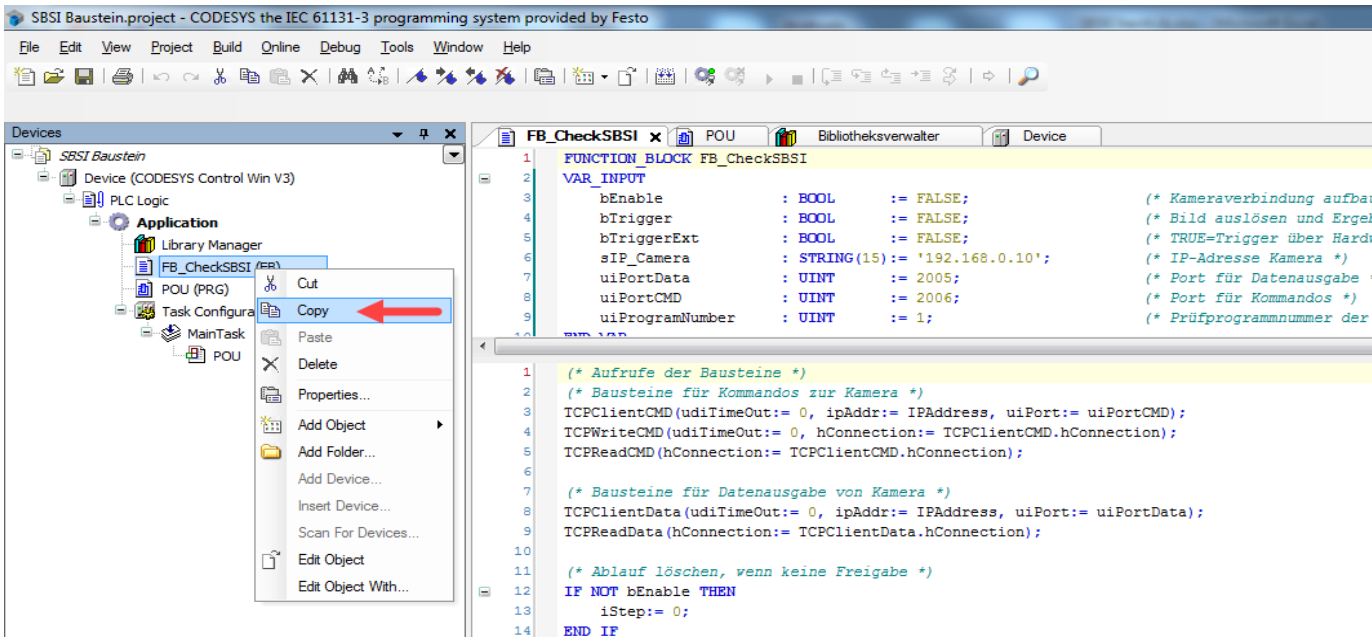


The needed Library:

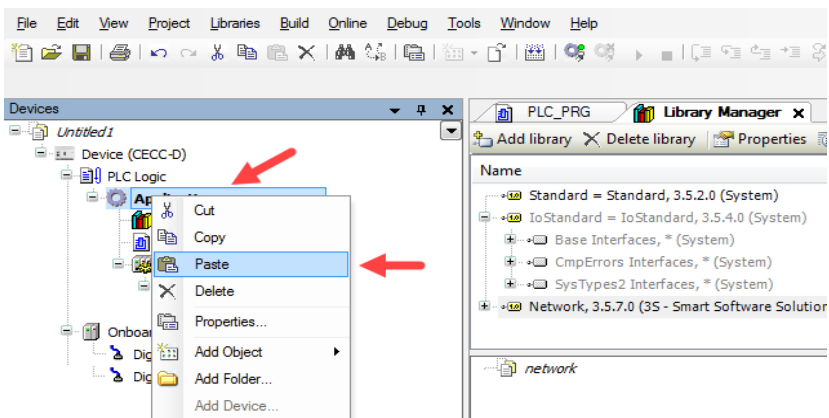


For test purpose you can use this demo.

For your project you can copy the FB. Next 2 screen shot show the copy process.

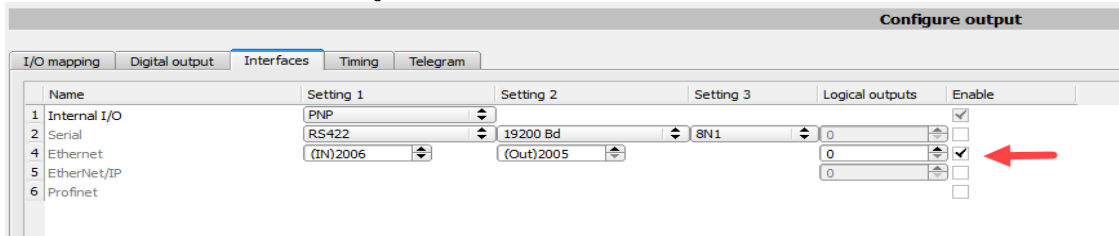


Paste in Application in you Project:



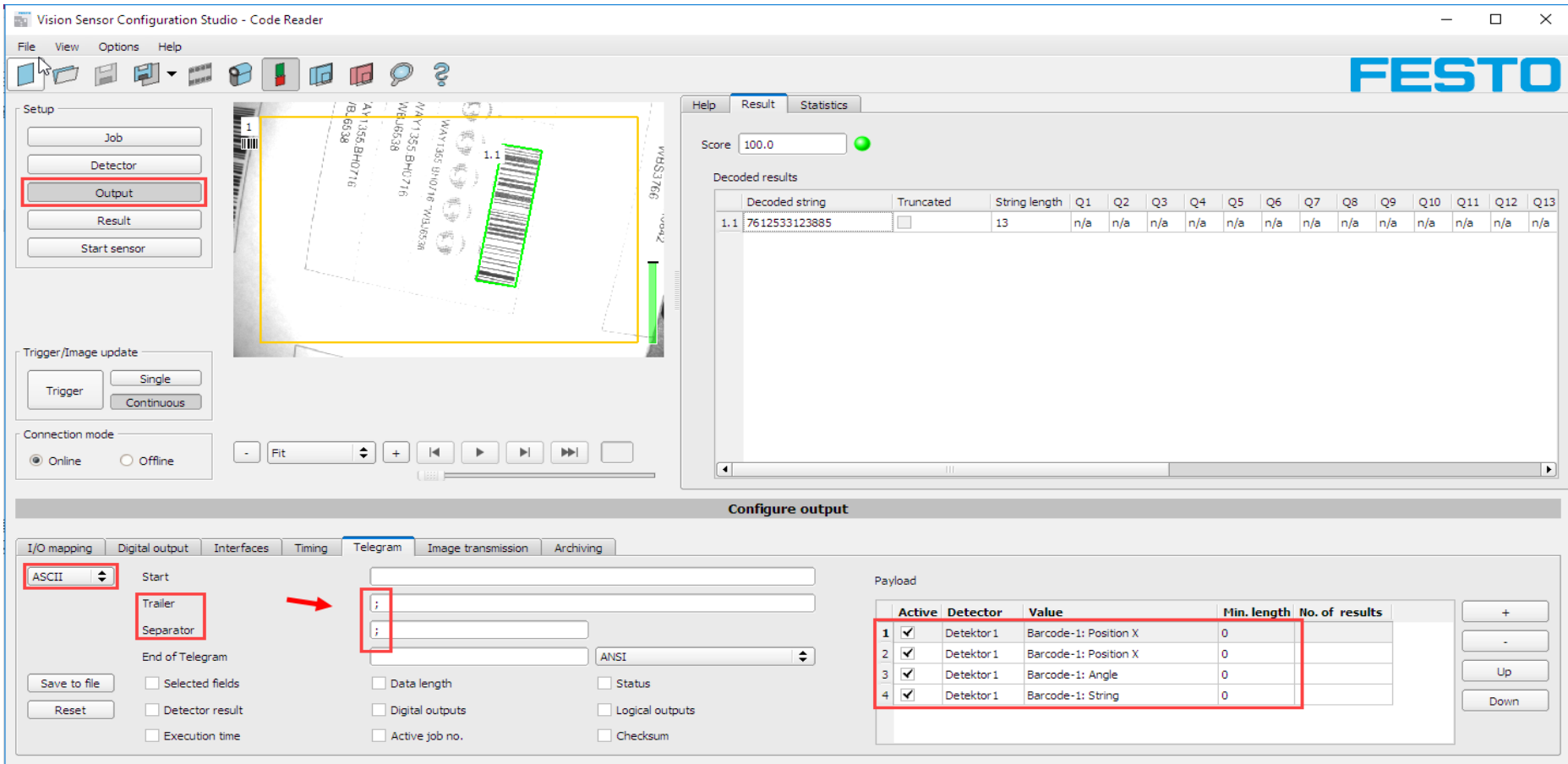
Prepare the Vision Sensor for communication

Activate the ETH interface in the Vision Sensor Configuration Studio.



Configure the payload for the data.

The FB is build for max. 10 result string. In this demo we transfer 4 values. Position x, y, angle and the string of a barcode.




After a trigger to the Sensor the following result will be calculated:
 (Sensor has to be started)

Vision Sensor Configuration Studio - Code Reader

File View Options Help

Setup

Job
 Detector
 Output
 Result
 Stop sensor



Trigger/Image update

Trigger Single Continuous

Connection mode

Online Offline

Fit Play

Help Result Statistics

Results/statistics

Results

Detector	Score	Time	Detector type
1 Detektor1	100.0	23ms	Barcode

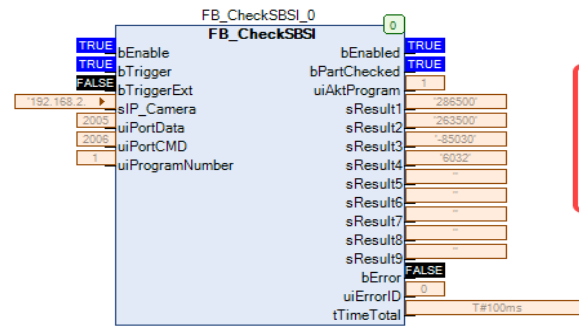
Decoded results

	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Position X	Position Y	Angle	Compare result
1.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	286.5	265.0	-84.2	

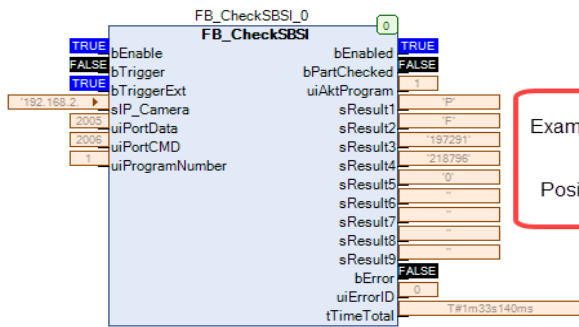
Mode: Run | Name: yourname | Active job: 1|Job1 | Cycle time: 46 ms | Flash: 0.4 kB / 40.3 MB

The FB receive result as follows:

Expression	Type	Value	Prepared value
FB_CheckSBSI_0	FB_CheckSBSI		
bEnable	BOOL	TRUE	
bTrigger	BOOL	TRUE	
bTriggerExt	BOOL	FALSE	
sIP_Camera	STRING(15)	'192.168.2.85'	
uiPortData	UINT	2005	
uiPortCMD	UINT	2006	
uiProgramNumber	UINT	1	
bEnabled	BOOL	TRUE	



The result from the Sensor is multiplied by 1000 to cover the decimal digit.
example: 286.5 is transmitted as 286500
6032 is the content of BarCode



Example for result string with Q Sensor.
P = Pass = 1 = o.k
F = Fail = 0 = nok
Position for Pattern position x,y,angle

Remark: Errorno. > 6000 out of Ethernet library, see detailed description in Library documentation

<i>NO_ERROR</i>	<i>INT</i>	<i>0</i>
<i>Zeitüberlauf Prüfprogrammumschaltung schreiben Timeout Job change write</i>	<i>INT</i>	<i>20</i>
<i>Zeitüberlauf Prüfprogrammumschaltung lesen Timeout Job change read</i>	<i>INT</i>	<i>30</i>
<i>Prüfprogrammumschaltung fehlgeschlagen (Programm existiert nicht)</i>	<i>INT</i>	<i>31</i>
<i>Zeitüberlauf Trigger schreiben Timeout Trigger send</i>	<i>INT</i>	<i>60</i>
<i>Zeitüberlauf Trigger lesen Timeout Trigger read</i>	<i>INT</i>	<i>70</i>
<i>Trigger fehlgeschlagen Trigger failed</i>	<i>INT</i>	<i>71</i>
FIRST_ERROR	INT	6000
TIME_OUT	INT	6001
INVALID_ADDR	INT	6002
INVALID_HANDLE	INT	6003
INVALID_DATAPOINTER	INT	6004
INVALID_DATASIZE	INT	6005
UDP_RECEIVE_ERROR	INT	6006
UDP_SEND_ERROR	INT	6007
UDP_SEND_NOT_COMPLETE	INT	6008
UDP_OPEN_ERROR	INT	6009
UDP_CLOSE_ERROR	INT	6010
TCP_SEND_ERROR	INT	6011
TCP_RECEIVE_ERROR	INT	6012
TCP_OPEN_ERROR	INT	6013
TCP_CONNECT_ERROR	INT	6014
TCP_CLOSE_ERROR	INT	6015
TCP_SERVER_ERROR	INT	6016
WRONG_PARAMETER	INT	6017
ERROR_UNKNOWN	INT	6018
TCP_NO_CONNECTION	INT	6019
IOCTL_ERROR	INT	6020
FIRST_MF	INT	6050
LAST_ERROR	INT	6099

