

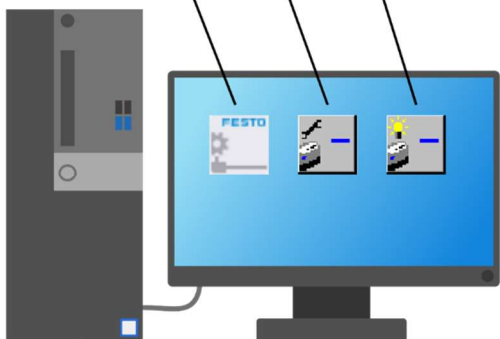
CP-AM-iCAM
quality check application



CheckOpti
to program the camera

CheckKon
to configure the image, and
communications parameters

Field Device Tool
to configure the IP
address of the camera
password: **Festo**

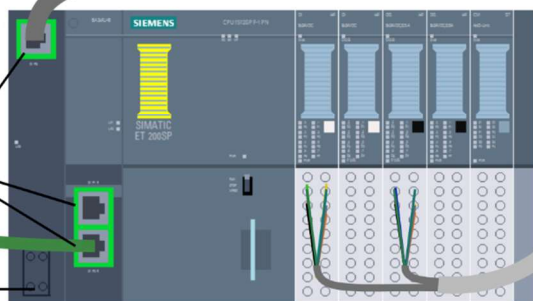


MES PC
IP: **172.21.0.90**

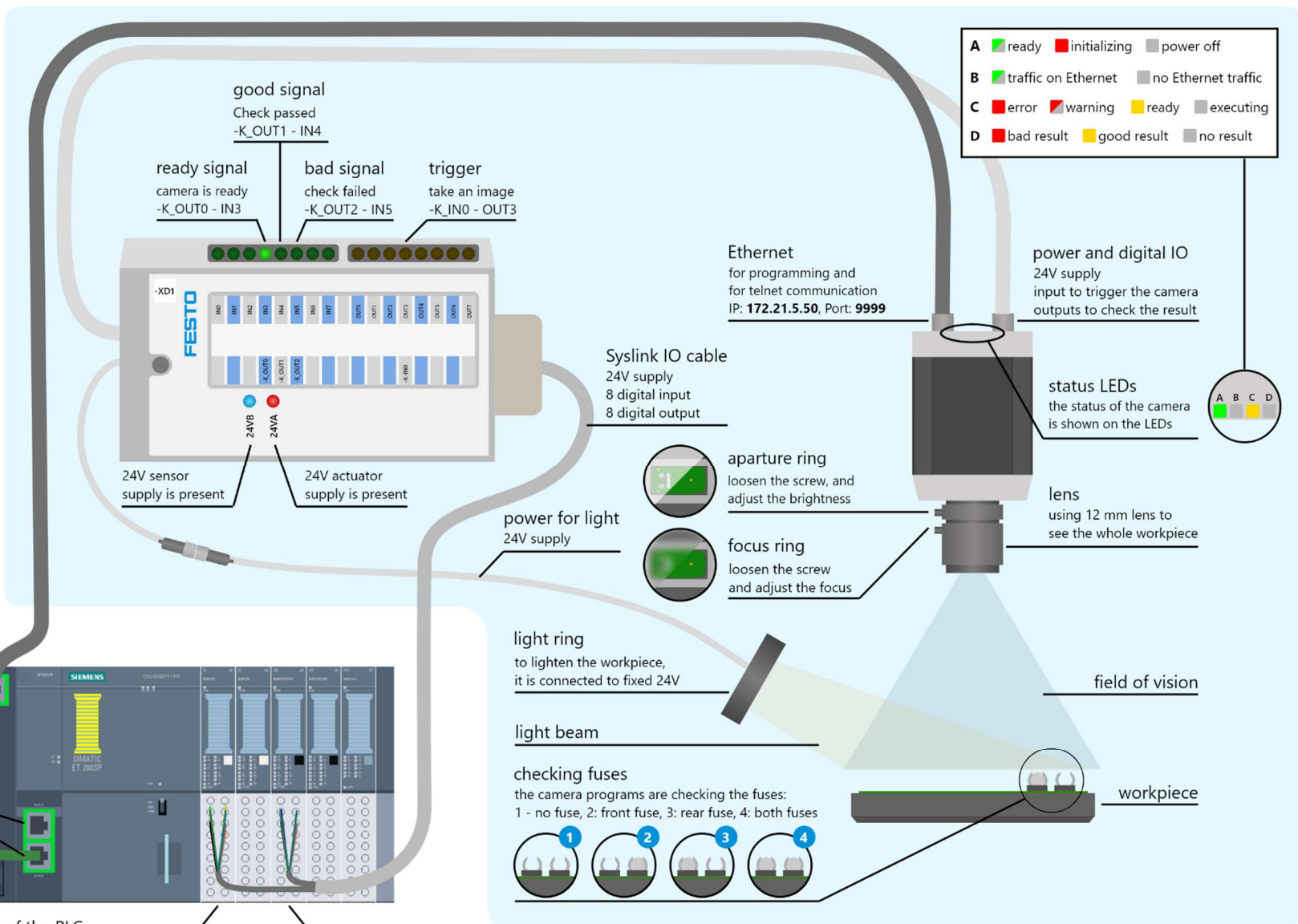
Ethernet
for programming and
communication
IP: **172.21.5.1**

conveyor PLC

digital inputs of the PLC
I0.3 - camera is ready (-K_OUT0)
I0.4 - camera check passed (-K_OUT1)
I0.5 - camera check failed (-K_OUT2)



digital outputs of the PLC
Q0.3 - trigger the camera (-K_IN0)



good signal
Check passed
-K_OUT1 - IN4

ready signal
camera is ready
-K_OUT0 - IN3

bad signal
check failed
-K_OUT2 - IN5

trigger
take an image
-K_IN0 - OUT3

24V sensor
supply is present

24V actuator
supply is present

Syslink IO cable
24V supply
8 digital input
8 digital output

power for light
24V supply

Ethernet
for programming and
for telnet communication
IP: **172.21.5.50**, Port: **9999**

power and digital IO
24V supply
input to trigger the camera
outputs to check the result

aperture ring
loosen the screw, and
adjust the brightness

focus ring
loosen the screw
and adjust the focus

status LEDs
the status of the camera
is shown on the LEDs

lens
using 12 mm lens to
see the whole workpiece

light ring
to lighten the workpiece,
it is connected to fixed 24V

light beam

checking fuses
the camera programs are checking the fuses:
1 - no fuse, 2: front fuse, 3: rear fuse, 4: both fuses

field of vision

workpiece

| | | | |
|----------|--|---|---|
| A | ■ ready | ■ initializing | ■ power off |
| B | ■ traffic on Ethernet | ■ no Ethernet traffic | |
| C | ■ error | ■ warning | ■ ready |
| D | ■ bad result | ■ good result | ■ no result |

