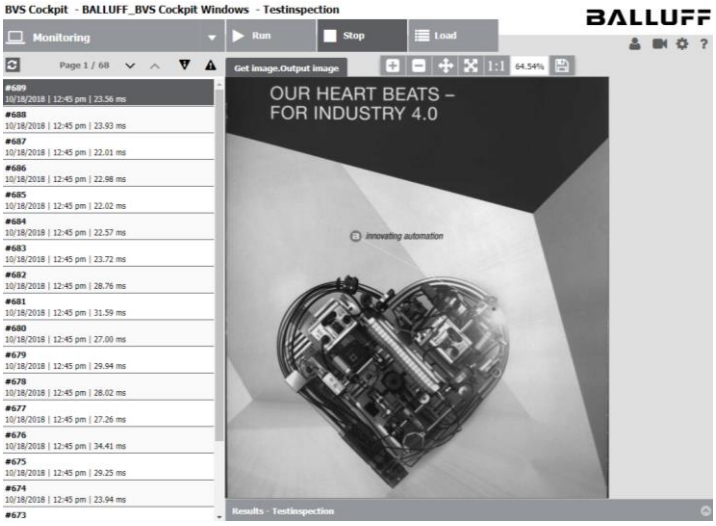
BALLUFF



BVS Cockpit

Update
FW 2.7

OVERVIEW

BVS COCKPIT FW REVISION	**2.7**
CREATION DATE	July, 31st, 2020
PRODUCTS	SmartVision Controller: 2.6.1.29.3540_59 BAE0103, BAE PD-VS-014-05 BVS Cockpit Windows: 2.6.1.29.530 BAI000Z, BAI BVS-CA-EPC-001 Matrix Vision BlueGEMINI series
RELATED MVIMPACT-ACQUIRE RELEASE	2.38
NETX FW (BUILD NO.)	1.0.0.11598 (BVS SC only)
RENESAS FW (BUILD NO.)	1.2.10 (BVS SC only)
PREVIOUS CAMERA FW REVISION	
MVTEC HALCON LIBRARY VERSION USED:	19.11
COMMENTS	

NEW TOOLS / TOOL FUNCTIONS

1. **Expansion of the analysis of**
   BLOB Tool to 255 items,
   finder tool to 100 items.
2. **Results are sorted and visualized in new and better way in the configuration mode.**
3. **New filter types “sobel” and “kirsch” are added.**
4. **The new BVS CA GX0 (Ethernet) and BVS CA SF2 (USB3) are fully supported.**
5. **Upgrade internally to Halcon 19 version (improvements of internal algorithms)**

COMPATIBILITY TO PREVIOUS VERSIONS / HINTS

- In case there is a power interruption of the industrial cameras the system (controller / PC) the work around is to switch the system to “Stop” and “Start” or a complete repower.
- To online debug HALCON scripts running in Halcon Tool, a developer version of HDevelop 19.11 is necessary.
- Inspection program, image file names, user name for FTP servers must not contain characters other than A-Z a-z 0-9 .,_-!#$%&'() +;=@[]^`{}~ and the space character.
- The SmartCamera must be in “STOP” mode to perform a FW upgrade to 2.7.
- Installing BVS Cockpit Windows on Windows 7 systems required installation of Impact Acquire previously.
- If a Downgrading to an older version or
  a Restore of a backup from on older version is required
  the current BVS Cockpit Windows must be uninstalled through windows process first and afterwards the older version is installed.

HOW TO INSTALL

- Download and unzip the files from our home page in the designated product section.

SmartVision Controller:

- Open the update folder with the Windows file explorer of your (running) SmartCamera (e.g. **\\SVC-123456\Updates**) - (eventually use once Login: **expert** Password: **expert**)
- Copy the firmware file
  e.g. **BAE_PD_2.6.shc** (~400MB) into this folder
- After ~3min the controller reboots automatically and the browser automatically updates (In case there is no refresh please restart your browser)
- Please verify the “Firmware Version” in the general settings of your BVS Cockpit.
- The updated hardware and software manuals are available through the online help section

BVS Cockpit Windows:

- Execute the setup program.

ADDITIONAL SUPPORT

- For additional help contact our support department:
  +49 7158 173-370
  +49 7158 173-691
  service@balluff.de

- Or contact your regional support center.