

## 3DBFA8 – 916 mm Super-Speed Scanbar

### Technical description:

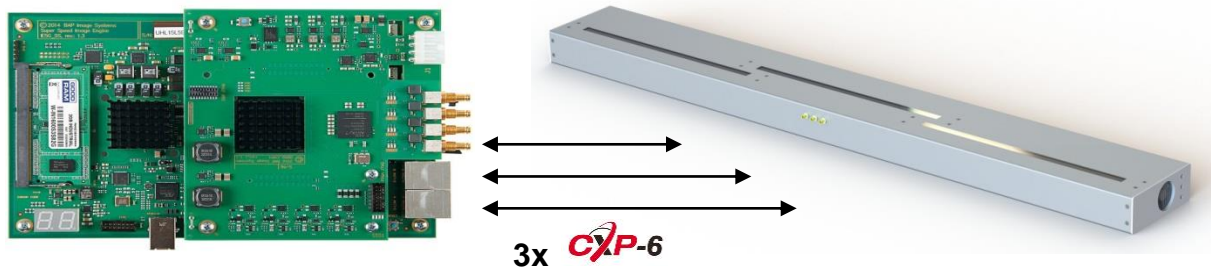
- Scan length: 915 mm.
- Resolution: 600 DPI, 300 DPI, 200 DPI.
- Capture method: true tri-linear  
3 x 10-bit RGB color.
- Light source integrated.
- Maximum line rates:
  - 14.2 kHz @ 600 DPI
  - 26.5 kHz @ 300 & 200 DPI.
- Maximum object/paper speeds:
  - 23.8 "/s ~ 0.6 m/s @ 600 DPI
  - 88.3 "/s ~ 2.2 m/s @ 300 DPI
  - 132.5 "/s ~ 3.35 m/s @ 200 DPI.
- Output interface: CoaXPress (CXP-6).
- Option: external encoders and triggers



### Advantages:

- Sensor's built-in light and optical system may replace traditional camera lens, mirrors, and external lights.
- Compact size is easy to fit into machine.
- Very high performance – able to keep up with maximum object speeds of 0.6 m/s in 600 DPI and 2.2 m/s in 300 DPI.
- High image quality with true tri-linear RGB video capture (an advantage over Bayer matrix sensors and sensors with RGB light multiplexing during object movement).
- High quality with 3 x 10-bit image signal processing path in the sensor and image enhancement functions already built into the sensor. Among others: flat field correction and linearization, LUT curve tonal and color mapping, Color Correction Matrix, and color space conversion.
- Ready to work with external line triggers and encoders. It's also able to operate in a free-run mode with user-programmable line cycle without external synchronization.
- Directly compatible with the BAP IE5G\_SS image engine via G-Link interface. Compatible with the IE5G\_SS engine with the DB5G\_CXP4 daughter board via a CoaXPress 6.25 Gbps interface.
- Support third party CXP-6 frame grabbers through GenICam interface.

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### CoaXPRESS interface:

- Video, configuration, and power connection using certified 75 Ohm coaxial cable.
- CoaXPRESS standard version 1.1 compliant.
- CoaXPRESS 6.25 Gbps over single link. Also supports 3.125 Gbps mode for lower performance grabbers.
- Supports PoCXP (Power over CoaXPRESS) to be supplied using data cable only (compatible grabber required).
- Compatible with IE5G\_SS + DB5G\_CXP4 daughter board set with 6.25 Gbps interface speed and PoCXP supply mode.
- Interface does not limit sensor performance in higher resolutions when running at 6.25 Gbps.
- CoaXPRESS maximum object speed
  - @ 200DPI: 3.35 m/s (13 2in/s).
  - @ 300DPI: 2.20 m/s (87 in/s).
  - @ 600DPI: 0.60 m/s (23 in/s).

### BAP Image Systems (BAPis)

is a dependable and reliable imaging products and solution provider with highly proven industry experience. BAPis develops and manufactures cameras based not only on high speed CCD and CMOS line sensors, but also on area CMOS/CCD sensors. BAPis cameras are used in the machine vision industry, as well as in the film industry. Additionally, BAPis develops and produces image grabbers and processing boards based on DSP and FPGA technologies using its own algorithms. Image processing boards are matched with camera performance and when combined, are able to reach the highest possible throughput.

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