

FLAW EXTRACTOR PLUS

Line scan real time processing modules for HORIZON boards



HORIZON Processing Modules are optional plug-in cards, improving real time features of Horizon 4LC and Horizon Link boards.

The Latest module the Flaw Extractor Plus present a state of the art FPGA based architecture. The module can be configured with different processing kernels such as Low

contrast web inspection kernel and **Color** classification kernel. Custom kernels can be developed by i2S upon request for OEM applications.

This module provide a unique solution for high speed continuous inspection/sorting applications where bandwidth exceed processing capabilities of the CPUs

Applications

- Laminated Steel inspection
- Paper inspection
- Non Woven inspection
- Color sorting applications : Food, Wood, Waste Recycling

FEATURES :

Advanced Real time 2D filtering for

extracting subtle defects

- Filter kernel up to 32x32
- User configurable kernels
- Data flow reduction (Run Length Encoding)
- Process data from single, Dual or 4 tap cameras
- Accepts up to 2 dual tap cameras
- Flat Filed correction
- Color Space conversion
- Compatible with HORIZON 4LC and HORIZON LINK
- Up to 80 MHz pixel clock/channel
- Easy Set up using CAP software
- Custom FPGA kernel design for OEM applications

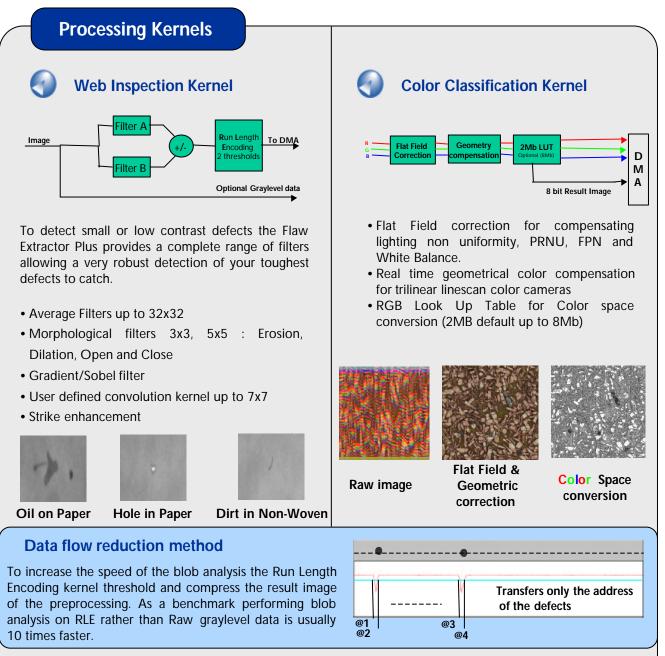
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Ordering Reference:

iSM508 Flaw Extractor Plus processing module for Horizon 4 LC & Horizon Link

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Design and speci

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