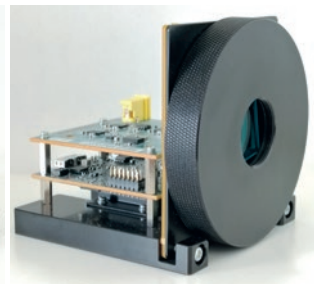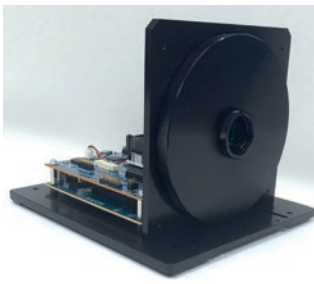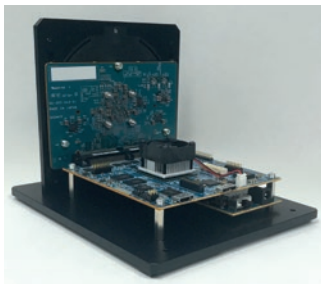# RESTAR FRAMOS
TECHNOLOGIES
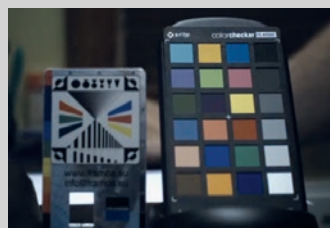

SONY EVALUATION BOARDS (EVB)

THE EVB IS A SYSTEM THAT DRIVES A CMOS IMAGE SENSOR WITH OPTICS AND ACQUIRES THE OUTPUT IMAGE DATA IN RAW FORMAT TO DISPLAY ON A PC SCREEN. A WHOLE ENVIRONMENT MEANT FOR EVALUATING. USING AN EVB IS THE BEST WAY TO ACCURATELY ASSESS THE SENSOR DATA FOR YOUR APPLICATION.

EVB COMPONENTS

- Sensor Driver Board
- Interface Board
- Lens Mount and mechanism (no lens included)
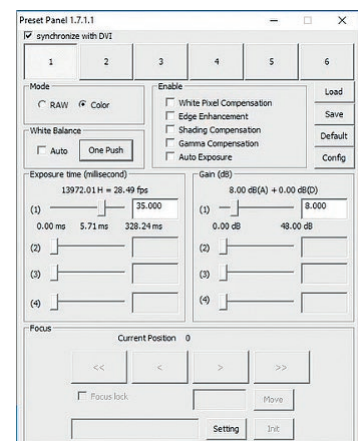- CD with Information

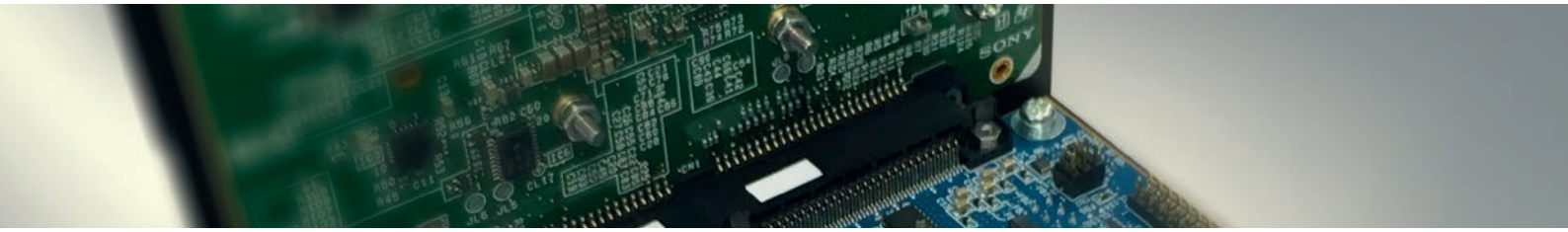## EVB FEATURES & BENEFITS

Pixel Purity

- Direct access to raw data
- Quick head start on image pipeline and downstream image processing through software tools on PC
  (Software only for windows x64)

Complete control

- Constant connection and monitoring of the sensor
- Quick setting of sensor control functions such as gain and exposure time
- Allows to set and test different sensor functions such as DOL, WDR, and ROI
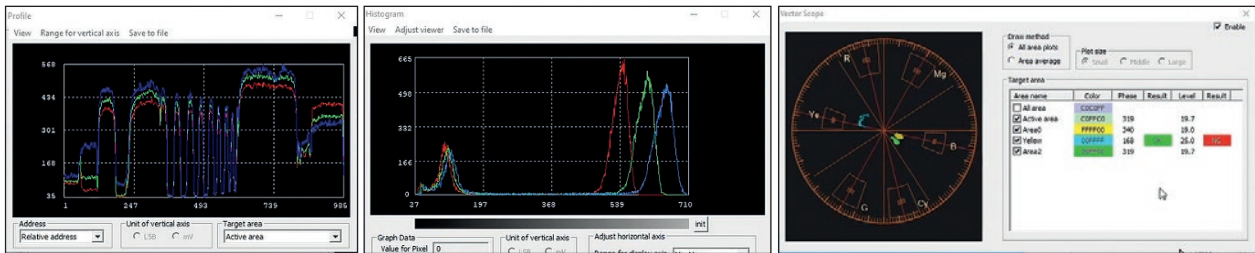 (sensor should have this function as a feature)
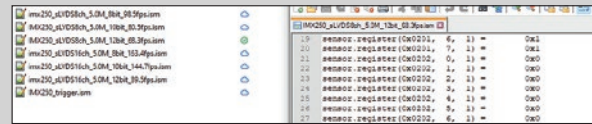
SONY EVALUATION BOARDS (EVB)

Sensor Validation

- Perform sensor evaluation to ensure working final system
- Ensure gathering of data as a result of measurements from a working system

- EVB enables a full evaluation as customer intent to in final system

Register Set validation

- Access to Sony Sensor register set examples
- Quick test and validation of register sets

Lens testing & validation

- Availably to test multiple lens
- Ensure correct optic selection for the sensor

Sensor timing control & External trigger testing

- Allow internal and external timing control with EVB taking control of settings

- Synchronizes images with illumination or other external events

Why is an EVB needed?

Design Guidance	■ Reduce time to market ■ Reduces cost of total development
Image Quality Focus	■ Immediate access to sensor tests ■ Optic system testing
Golden Reference	■ Register set sandbox ■ Physical working hardware

RESTAR FRAMOS ADDED VALUE:

The EVB solution reduces response time and support for customers. Request additional RESTAR FRAMOS support and receive other EVB testing scripts.