



BOBCAT
INTELLIGENT CAMERA SERIES

IGV-B1410



The **IGV-B1410** is an advanced high-speed progressive scan, fully programmable CCD camera designed for imaging applications that require high frame rates, high quality images, and powerful features and flexibility. The camera has a small size, light weight, and is built around SONY'S ICX-285 Interline transfer CCD image sensor with a 2/3" optical format. IGV-B1410 is available with Ethernet output (GigEVision compliant).

The B1410 provides an image resolution of 1392 x 1040 and delivers up to 30 frames per second at full resolution. The camera image processing engine is based on a high-speed, high-density FPGA, featuring programmable resolution, speed, 8 independent AOIs, binning, triggering, exposure control, line and frame time, I/O mapping, external/internal sync, AGC, AEC, Auto Iris, transfer function correction, user LUT, Flat Field Correction (FFC), and Defective and Hot Pixel Correction (DPC, HPC).

Features

- 1360/1392 x 1024/1040
- Mono and color - 8/10/12/14-bit data
- Color - 3x8-bit (RGB) data, auto white balance (optional)
- Ethernet output, GigEVision and Gen<I>Cam support
- Base CameraLink, PoCL support
- RS232 serial communication
- Analog and digital gain and offset control
- 1x, 2x, 3x, 4x, 8x horizontal and vertical binning
- Eight (8) independent horizontal and vertical AOIs
- Programmable horizontal and vertical resolution
- Programmable line time, frame time and speed
- Programmable external trigger:
 - 3 triggering sources
 - 5 triggering modes
- Automatic gain, exposure and iris control

- Internal/External exposure control
- Internal/External H and V sync input/output
- Left/right digital bit shift
- Test image with image superimposition
- Built in pulse generator
- Programmable I/O mapping
 - 4 programmable inputs
 - 3 programmable outputs
- Dynamic transfer function correction
- Dynamic black level correction
- Defective and hot pixel correction
- Temperature monitor
- Field upgradeable firmware, LUT, DPC, HPC

Applications

- Industrial
- Medical
- Microscopy
- Military
- Scientific
- Surveillance

SACASA INDUSTRIES ET SYSTEMES
2 rue Henri Janin – 78470 ST REMY LES CHEVREUSE
Tel : 01 30 47 45 86 – Fax : 01 30 47 93 37
info@sais.fr – www.sais.fr

