

Video Data Logger - an Application Example -



The ABS Camera Family with Video Data Logger (Recorder Camera)

OVERVIEW:

- Storage of image data directly in the camera
- Optional camera configuration with extended memory function (64 Mbyte or 128 Mbyte)
- Examples for recording duration:

image resolution	maximum recording duration at 15 fps and 128 MByte internal image memory
800 × 600	18 s
640 × 480	28 s
320 × 240	1:54 min

- Arbitrary image resolution and frame rate (up to 30 fps at full image resolution)
- Cyclic storage (ring buffer) for recording the last time period for unlimited observation
- Start and stop of image recording via PC software
- Image memory readout over high speed USB2.0 interface
- Time stamped images provided a precise analysis (ms) of the observed process
- External or PC triggered start and stop of image recording (via snapshot input)
- Additional trigger possibility by camera-internal monitoring and processing of image regions (ROI) by DSP control

ADVANTAGES:

- Combination of camera and fast image memory (transient recorder)
- Event control of image recording
- cost-saving and rugged compact device without additional video recorder which suits industrial needs
- Temporal sorting of recorded images possible
- Fast PC independent real image recording
- Simple handling
- Simple PC connection via USB2.0
- No frame grabber required

APPLICATION EXAMPLES:

- Event control of image recording
- Measurement data documentation
- Surveillance tasks
- Accident recorder (black box)

design and specification may change without notice

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DSP / FPGA VISIONÄR

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