

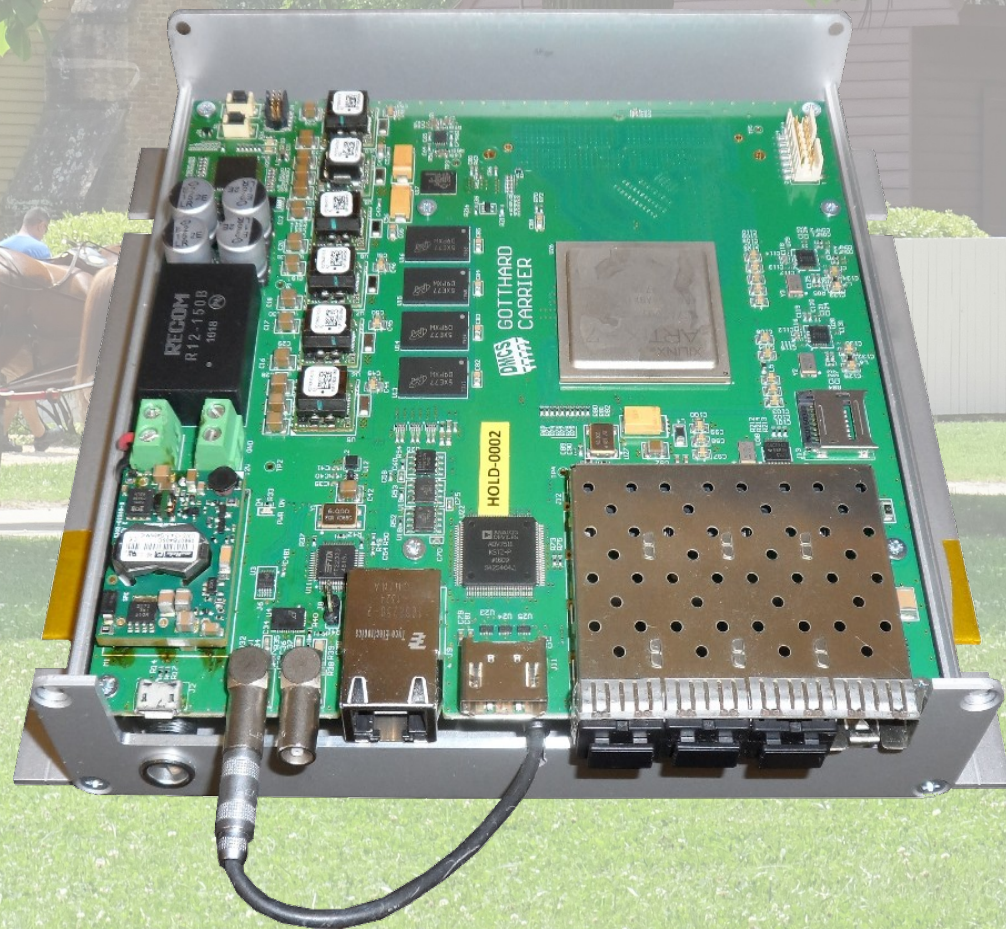


REAL-TIME DATA ACQUISITION AND PROCESSING SYSTEM FOR MHZ REPETITION RATE IMAGE SENSORS



A. MIELCZAREK, D. MAKOWSKI, A. NAPIERALSKI, CH. GERTH, B. STEFFEN

- High-speed Optical Line Detector (HOLD)
- Uses KIT KALYPSO 256 channel detector
- Designed for reaching 4'500'000 FPS
- Offers 120 V low-noise detector bias supply





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Detector application:

Non-intrusive
longitudinal beam
charge profile
measurement at X-FEL
and FLASH machines at
Deutsches Elektronen-
Synchrotron (DESY).

