

We are your partner for high-quality system solutions.

// State-of-the-art automation technology requires innovative and intelligent solutions. As your partner for design and manufacturing we provide the optimal solutions in automation and quality assurance for industrial signal conditioning and image processing.

With our data processing sensor-actuator system we are capable of gathering any sensor data quickly and accurately, processing them and triggering the appropriate actions. The use of various image sensors furthermore makes the use of data processing cameras for application-specific image processing possible. Selecting and designing illumination facilities optimally adapted to your application is another element of our work.

With our competence and strong commitment we stand for reliable partnership. We strengthen your competitiveness by providing comprehensive consulting, concerted support and efficient engineering. Thus we assist you in reaching your targets more quickly. Because success to us is your competitive edge.

Let us realize your innovations together and we will guide you on your way from the idea to the start of production.



Werner Nophut, owner



Steigerwaldstrasse 11
D-96191 Viereth

+49 (0) 9503 / 70 90
+49 (0) 9503 / 77 79

www.nophut-gmbh.de
info@nophut-gmbh.de

Partner:



Member:



Data processing sensor-actuator system



Highly-precise intelligent modules with complete data and image processing in real time for flexible automation and quality assurance.



// Data and signal processing modules

State-of-the-art technology

The DSAM enables a maximum of reliable data collection and analysis in real time.

- Precise measuring, quicker analysis and response
- Cost reduction due to shorter cycle times
- Freeing up the network due to smaller data transfer volumes
- Digital signal processing in the DSAM through digital filters, algorithms, etc.
- Communication via network through Ethernet (TCP/IP)

Competitive margin due to modularity

The DSAM will be adjusted exactly to your individual requirements.

- Various I/O components available, thus no development time
- Cost-effective installation
- Extensions possible

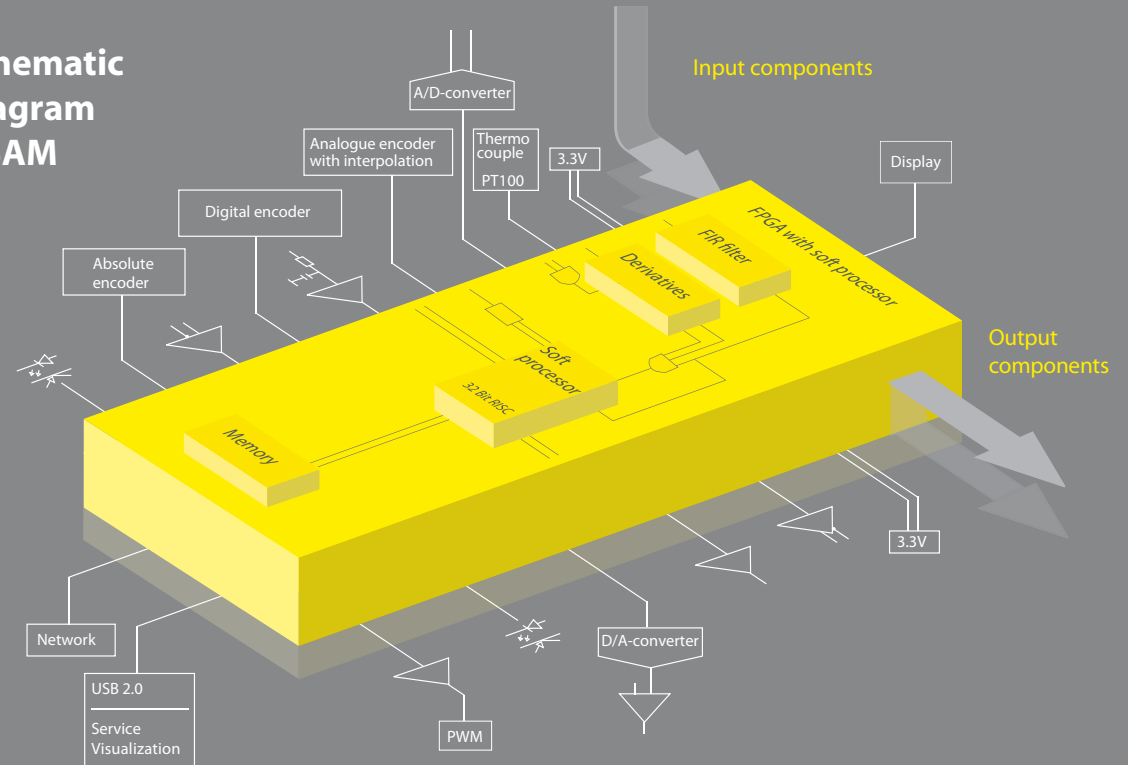
Scope of applications

The DSAM essentially contributes to the increase in productivity.

- Stand-alone fieldbus components for production facilities and quality assurance
- Process optimization

Find out more about DCAM and DSAM at: www.nophut-gmbh.de or +49 95 03 / 70 90

Schematic diagram DSAM



Product description

The DSAM (data processing sensor-actuator module) integrates a modular design. It therefore optimally adapts to almost any application in industrial measuring technology and image processing.

The input and output components provide physical connection to the I/O device and offer solution for the variety of signals, of voltage ranges and of the specified accuracies and speeds.

Many customary sensors, measuring systems and actuators can be connected directly. Event-driven data logging, pre-processing during measuring, parallel processing via digital filters, algorithms, etc. considerably reduce the time needed for analysis. The output components can trigger actions directly after processing of the measured values and signals. These procedure are all performed in one single device and therefore achieve minimal response time. The communication network is freed up to a huge extent; transfer is reduced to measuring tasks, parameters and results data records. The device can be operated without network connection, too. A USB always serves as service interface.

Features:							
Computer	Housing	Internal design	I/O level for	Communication	Connections	Power supply	Optionally
FPGA with 32 bit RISC soft processor 32MB SDRAM 16MB Flash	IP65 metal invisible mounting 260 x 150 x 60	modular 4 slots for I/O level	Digital and analog signals, encoder, temperature ...	Ethernet TCP/IP USB	Pluggable M12 M23 RJ45 USB-B...	24 Volt= ca. 350 mA	Display with cursor block, real time clock, FRAM