LN
LUCAS-NÜLLE

PID
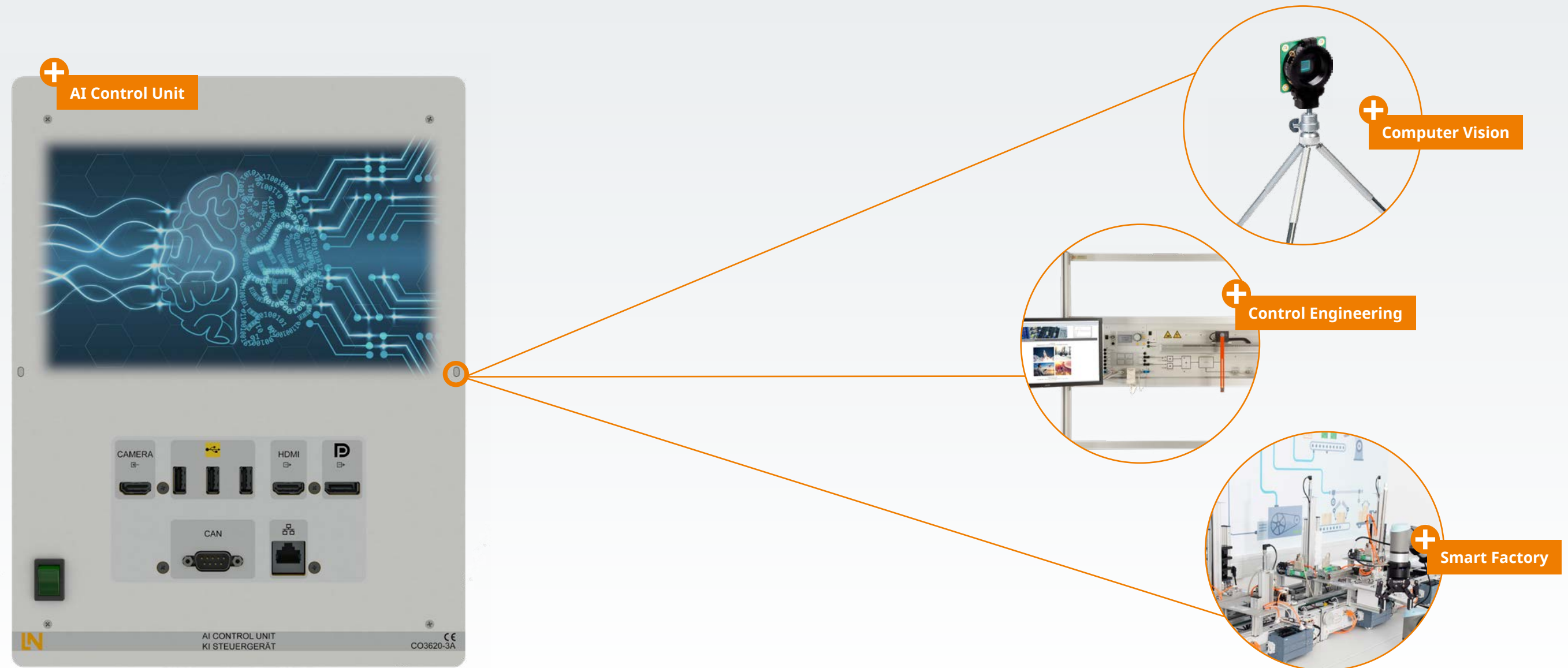
ARTIFICIAL INTELLIGENCE

A training system for vocational training and university-level studies

THE NEW AI CONTROL UNIT

AI Control Unit

Computer Vision

Control Engineering

Smart Factory

CAMERA | HDMI | CAN

AI CONTROL UNIT
KI STEUERGERÄT
CO3620-3A

Artificial Intelligence is becoming increasingly significant, both in industry and in everyday private life. A large share of that development involves the subdomain of machine learning. Self-learning machines and algorithms make it possible to process large quantities of data faster and more efficiently. But AI is always only as clever as the people who use it and feed it with data.

With its new training system providing a practical introduction to machine learning, Lucas-Nülle helps you present the operating principle of machine learning very simply and clearly. It uses practical examples to lay out the complete workflow for implementing such applications, from the procurement of the data sets to the application of the finished algorithms. In so doing, it gives students an idea of the benefits and possibilities of machine learning and provides them with skills to put it to effective use.

Training contents
- Full implementation of ML applications based on illustrative projects
- Playful introduction with "Rock paper scissors versus AI"
- Recognition of traffic signs
- Optical quality inspection
- Creation / procurement of data sets
- Model selection and configuration
- Teaching / training
- Application / inference

Benefits and technical data
- No programming skills required
- Can be combined with other training systems
- Optimised hardware and software components for machine learning applications
- Pre-configured one-board computer as embedded device
- Interfaces: USB, HDMI, Ethernet, CAN
- High-quality camera with stand
- Python: Popular programming language with powerful standard library
- TensorFlow: Popular open source framework for machine learning
- OpenCV: Open source program library for image processing and computer vision

Art. no. CO3620-3A

LUCAS-NÜLLE GMBH

Siemensstr. 2
50170 Kerpen, Germany

Tel.: +49 2273 567-0
Fax: +49 2273 567-69

www.lucas-nuelle.com
export@lucas-nuelle.com