

# MACHINE VISION TRAINING SYSTEM WITH CONVEYOR MODULE

Model Number : GOTT-MVPC-465



## DESCRIPTION

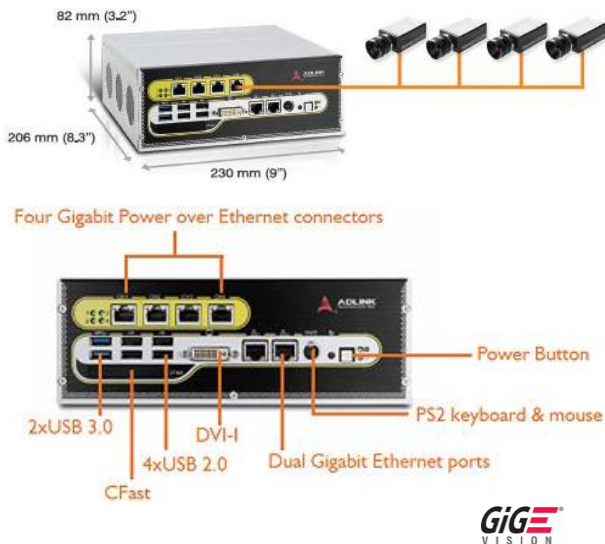
Today Machine Vision tasks are routine but becoming substantially more complex. Conversely, the industry is always complaining about the lack of specialists with practical experience. It is plain to see that training in the field of the Machine Vision is sadly out of step with technical developments. With its manufacturer-independent training concept, the GOTT distances itself from product-based training systems and has already been in successful operation for many years. An holistic presentation of practical know-how is the basic principle of the institution. Understanding complex interconnections, the promotion of interdisciplinary thinking and practical application are all central tenets. Apart from the main topics of optics, lighting, hardware and software, other relevant disciplines, such as communication, automation, mechanics, control and robotics are also built into the training. This interdisciplinary work is the outstanding feature of GOTT, because the classical training and educational facilities only consider partial aspects of Machine Vision. With this unique concept, GOTT is paving the way for the positive development of the entire industry as new applications and areas of use can only be developed by having enough qualified Machine Vision specialists available. The GOTT Series is loaded with powerful features that support GLOBAL STANDARDS in machine vision inspection. State-of-the-art algorithms that can be set by any user ensure quick setup and long term reliability. The best solution can be selected from a variety of options.

## SPECIFICATION

### VISION CONTROLLER

POWERFUL 4-CH GIGE VISION EMBEDDED VISION SYSTEM WITH 3RD/2ND GENERATION INTEL® CORE™ I5/I7 PROCESSOR

CODE  
465-001



- Compact and rugged system design
- Embedded 3rd/2nd Generation Intel® Core i5/i7 Quad Core processor
- Up to 4-CH Gigabit PoE (power over Ethernet), 4.0 Gb/s
- Support for smart PoE function, enabling easy power status programming
- Support for two USB 3.0 ports
- 32 PNP/NPN isolated DIO
- One internal USB port and 1Kbit EEPROM
- RAID system (Dual SATA interface)

The Vision Controller supports a rich I/O capability, including four serial ports, two USB 3.0 ports, 32 PNP/NPN isolated digital I/Os, dual storage, an internal USB port, and 1K bit programmable EEPROM.

Simultaneous vision inspection is commonly required on a production line as a cost-effective solution. The GOTT series provides multi-camera support through up to 4 channels, making it ideal for use in industrial automation, improving overall product quality and increasing efficiency.

### VISION CAMERA

CODE  
465-002



Resolution (H x V pixels)	2590 px x 1942 px
Pixel Size horizontal/vertical	2.2 μm x 2.2 μm
Frame Rate	14 fps
Mono/Color	Color
Video Output Format	Mono 8, Bayer BG 8, Bayer BG 12, Bayer BG 12 Packed, YUV 4:2:2 Packed, YUV 4:2:2 (YUYV) Packed
Pixel Bit Depth	12 bits
Synchronization	<ul style="list-style-type: none"> <li>• External trigger</li> <li>• Free-run</li> <li>• Ethernet connection</li> </ul>
Exposure Control	<ul style="list-style-type: none"> <li>• Programmable via the camera API</li> <li>• External trigger signal</li> </ul>

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PRODUCT MODULES					
<b>CONTROLLER PANEL</b>	<b>CODE</b> 465-003	<b>OPERATIONAL TOUCH SCREEN PANEL</b>	<b>CODE</b> 465-004	<b>VISION CHECKING STATION</b>	<b>CODE</b> 465-005
					
<b>PART LOADER UNIT</b>	<b>CODE</b> 465-006	<b>BARCODE AND COLOUR VISION CAMERA CHECKING STATION</b>	<b>CODE</b> 465-007	<b>EXPERIMENT MANUAL</b>	<b>CODE</b> 465-008
					

**EXPERIMENT TOPICS :**

- High-resolution camera
- Image enhancement filters
- Algorithms for every inspection requirement
- Appearance inspection
- Dimension inspection
- Character recognition
- Intuitive programming interface
- Vision interface utilities
- Professional knowledge from on-site experiences

**Manuals :**

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

**General Terms:**

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

**Warranty :**

2 Years

**ORDERING INFORMATION :**

ITEM	MODEL NUMBER	CODE
MACHINE VISION TRAINING SYSTEM WITH CONVEYOR MODULE (GIGE)	GOTT-MVPC-465-GIGE	465-000
MACHINE VISION TRAINING SYSTEM WITH CONVEYOR MODULE (USB3)	GOTT-MVPC-465-USB3	465-001
MACHINE VISION TRAINING SYSTEM WITH CONVEYOR MODULE (CAMERA LINK)	GOTT-MVPC-465-POCL	465-002

\* Proposed design only, subject to changes without any notice.