APPLICATION REPORT

A Book of Beautiful Moments

Optical Identification System Used to Create Photo Books

Photo books are individually designed according to the requirements of the customer. Photographs can be creatively arranged on each page and text can also be added. The content that the customer provides must be accurately reproduced before being assigned to the correct customer.

OPC120/ ODV120

ACCURATE ASSIGNMENT THANKS TO A CODE READER

After a special occasion, such as a vacation or a wedding, a lot of people like to compile their photographs in a photo book. Various manufacturers offer a large number of options for designing photo books on their websites.

To ensure that the photo books include the correct content and are then delivered to the right customer, the individual components of the photo book are printed with codes. These codes are scanned during the production process and the correct production step is carried out according to the code.

To make sure that each customer receives the right photo book, a code is also assigned to the cover of the photo books. Depending on the manufacturer, this code can be a variety of 1D or 2D symbologies of different sizes. The position of the code may vary depending on the thickness and width of the photo book.

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SENSING YOUR NEEDS

Code reader reads the codes on the photo books on a conveyor belt.

REQUIREMENTS

Because the photo books are made to order, and may differ in size and thickness as a result, large and small books travel along the same conveyor belt, with their codes in different positions. These books may be moving very quickly. In addition, some of the photo books have a matte finish, while others are glossy. The code reader must therefore be capable of reading a variety of codes within a large read area, in different finishes, and at a high speed.

OPC120 and ODV120 code readers from Pepperl+Fuchs can meet all of these requirements, ensuring that your production process runs smoothly. At the end of the process, each customer receives a photo book containing their fondest memories.

THE ADVANTAGES OF THE OPC120/ODV120 AT A GLANCE

Multiple functions in one package

- Large reading window can read codes of various sizes
- Wide depth of focus captures codes from books of varying thicknesses with one setting
- Reliable reading at high speed
- Easy integration with the corresponding machine via Ethernet or RS232
- Automatic error image memory for subsequent analysis of the production process
- Monitoring of code quality to safeguard the production process
- Match code: Direct comparison of code content within the sensor

- Multiwindow: Up to four windows can scan different codes at the same time

Additional features of the OPC120

- Logo recognition
- Presence detection

Additional features of the ODV120

- Ability to read standard OCR-A and OCR-B font types
- Burst mode: As the device captures images at high speed, it is possible to extend the reading window in the direction of movement, ensuring that codes can be read reliably even if the position varies greatly

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