

Vision Inspection System



CSPL AREA SCAN VISION SYSTEM

Condot is in business of Coding, Marking, Variable Data printing & Vision Inspection solutions. Close interaction with customer to understand market requirements and constant development to increase product range in the direction which has been resulting in customer satisfaction. Our aim is to deliver ideal solution tailoring to customer specific requirements.

Condot Vision inspection system is designed to cater the complex demand of inspection automation to optimize manufacturing process, ensure product quality, enhance productivity and maintain safety standards in industrial environment. Condot has developed Area & Line Scan vision system with Global & Rolling Shutter from 1.3 MP to 42 MP and 4K & 8K vision system.

Flexibility, Scalability, Reliability, Adaptability are synonymous language with Condot. We can offer solution for OCR, BCR (as per ISO grading), Image matching, and more function with 21CFR Part 11 compliance for data safety, 4 level user management with audit trail report.

CSPL Vision Inspection solution is designed to meet all functional market expectations that offers flexibility for the customers to choose a suitable module that will adapt to their requirements.

The solution is designed to address industry demands such as track & trace, brand loyalty, customer retainership campaigns, unique ID verification, warehouse management and many other similar applications.

The most fruitful benefits of **CSPL AS VISION SYSTEM** are easy integration and retro fit onto any production line whether printing, packaging or any other relevant production ecosystem.

Application - Batch code inspection, multi-track inspection, barcode inspection, pharma code inspection, product identification, image comparison, present / absent verification, print & verification, read & print, bulk barcode scan.

Camera details

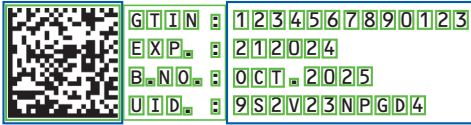
Camera	Lens	AOI (mm)	Frames / Sec
1.3 MPGS	8mm / 6 MP	60 x 40	30
2.3 MPGS	8mm / 5 MP	100 x 75	30
3.2 MPGS	8mm / 6 MP	200 x 150*	30
5.0 MPGS	8mm / 5 MP	300 x 200*	30

*AOI can be achieved if the OCR size is above 9pt or barcode dot size is more than 3 pixel.

Description	VC1	MIO1	VC2	MIO2	Multi-Vision System
Camera support (1.3 MP)	1	1	2	2	7
Camera support (2.3 MP)	X	X	1	X	4
Camera support (3.2 MP)	X	X	1	X	4
Camera support (5 MP)	X	X	1	1	2
Controller size (Inch)	10	Customer scope	10	Customer scope	PC based
OCR / OCV / BCR / Image matching	✓	✓	✓	✓	✓
Queue size	19	10	50	20	100
Scan / min	300	150	300	150	300
Encoder support	✓	✓	✓	✓	✓
Any encoder support	X	X	✓	✓	✓
Any type of sensor support (NPN/PNP)	✓	✓	✓	✓	✓
Beacon 2 colour	✓	✓	✓	✓	✓
Rejection signal track wise up to	1	1	2	2	Up to 6
Consecutive rejection signal	X	X	✓	✓	✓
Safety door open	X	X	✓	✓	✓
Rejection bin full	X	X	✓	✓	✓
Low air pressure	X	X	✓	✓	✓
Emergency	X	X	✓	✓	✓
No encoder pulse	X	X	✓	✓	✓
Product sensor block	X	X	✓	✓	✓
Linear speed up to (m / min)	50	18	100	100	350
Joint carton can be read by vision system	X	X	✓	✓	✓
Wrong length carton detection	X	X	✓	✓	✓
Sequence matching	X	X	✓	✓	✓
Data matching with data base and data read	X	X	✓	✓	✓
Used to verify fixed pattern and variable data on same carton with 2 vision camera	X	X	✓	✓	✓
Velocity mode possible	✓	✓	X	X	✓
Is Support labeling line process	✓	✓	X	X	✓
Label present / absence	✓	✓	X	X	✓
Operating language	✓	X	✓	X	✓

Thoughts Fulfilled

OCR



Serialization

GTIN: 1354577890321
B.NO: CSPL145
MFD: 06/2024
EXP: 07/2027
UID: GLDSNUUCBW0



Aggregation



Alpha Numeric Serial No.

AB12CD34E5F6

Image Matching



BCR



1D Barcode



Large to Small Font Print - OCV

CONDOT SYSTEMS PVT. LTD. - 6pt.

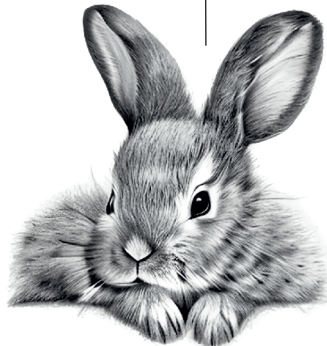
CONDOT SYSTEMS PVT. LTD. - 7pt.

CONDOT SYSTEMS PVT. LTD. - 8pt.

PDF Code



Pattern Image Matching



Authentication Code



OCV

BATCH NO.: 2106506
MFG. DT. : 10/2024
EXP. DT. : 09/2027
M.R.P (INCL. OF ALL TAXES) Rs.56.25

Data Matrix



*CONDOT SYSTEMS reserves the right to update or improve the technical specifications without prior notice.

CONDOT[®]
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