



# Code Verification

The R-Series – Smart, Flexible, Powerful

A close-up photograph of a DOMINO R-Series vision system mounted on a production line. The device is a grey rectangular box with a blue Ethernet cable plugged into its side. The top of the device has a label with the DOMINO logo, "R SERIES", a QR code, and "CE" marking. Below the device, a conveyor belt is moving several blue cylindrical cans. The background is slightly blurred, showing other parts of the machinery.

Vision system for automated code checking

Domino. Do more.

# Code with Confidence

The **R-Series** is the smart vision system range from Domino, created, and optimised to work with all our range of printers. Now it is easier than ever to check every code and detect any issues before they have any impact on your production.

The **R-Series** eliminates labour-intensive manual inspections, reduces the amount of scrap, and helps to avoid the expense and brand damage associated with product recalls. That's what we call smart.



Great printers are only half the solution. To maximise production output, minimise downtime and waste you also need to effectively control every print. With over 40 years experience we've developed a vision system that seamlessly integrates with all Domino printers. The **R-Series** vision system is designed to integrate into automated, high-speed production lines (up to 90 000 prints/hour).

Working with Domino provides you with a complete coding and marking solution from one single trusted partner. Automated vision control helps to optimise production output and ensures every product leaving your facility has a proper and legible code.

Adem Kaulozovic,  
Director of  
Automation,  
Domino



## Protect your brand

- ◆ Ensure readability of every code
- ◆ Avoid regulatory / retailer penalties
- ◆ Avoid potential costs associated with scrap and recalls
- ◆ Eradicate costly manual inspections



## Smart means simple

- ◆ Coding and Marking tailored solution
- ◆ Fully compatible with all the Domino equipment
- ◆ Easy to install and operate
- ◆ Scalable to future needs without changing hardware

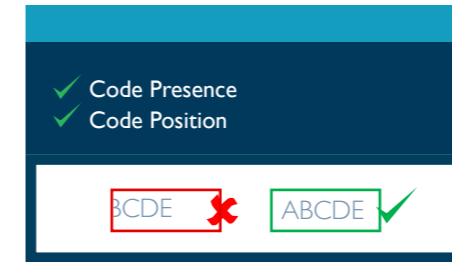


# Flexible and Future Proof

The **R-Series** can grow with your needs – adding capabilities is a simple software update. Providing you with peace of mind knowing that every product leaving your facility has a proper and legible code.

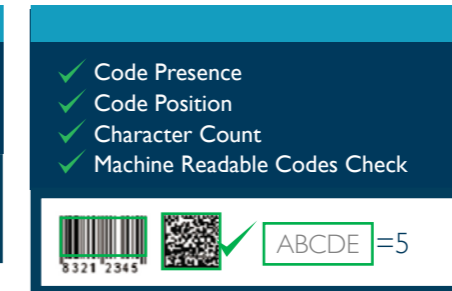
## R150 – Code Check

Your option for basic checking of alphanumeric codes. The **R150** inspects the presence and position of the code for basic protection.



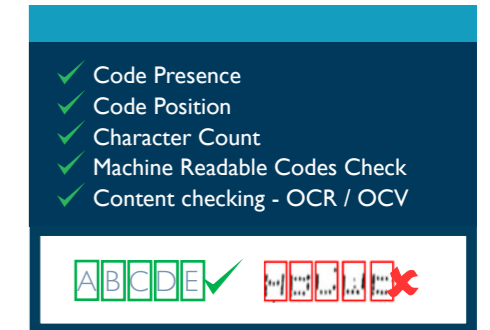
## R350 – Code Quality

The **R350** software inspects the integrity of the code, counts the characters, and validates machine readable codes.



## R550 – Code Verify

To provide full protection the **R550** code verification software additionally includes optical character recognition and verification (OCR/OCV).



To meet all requirements, two hardware options are available.

The **R-Series OEM** is designed for control cabinet integration and requirements needing one camera.



Our **R-Series i-Tech** offers the processing power and capability for high speed applications or lines demanding strict compliance. It can run up to two cameras simultaneously; a 2K line scan camera enables large object and high-speed code inspection. Advanced barcode and grading functionalities and an intuitive user interface common to Domino products make it easy to operate.



## Out of the Box Availability – Get up and running with minimal configuration

Domino offers an extensive range of pre-configured cameras and lighting, with brackets to remove complexity, which can be easily integrated with Domino printers.

- ◆ Camera options with integrated lighting for easy mount and setup.
- ◆ Configurations optimised for code inspection; simply identify the region you want to inspect.
- ◆ Operator view mode for simple review of images and adjustments.

Our software interface combined with our centralised label deployment software **Domino Automation**, allows for automatic job management and label selection through your existing ERP or MES system.





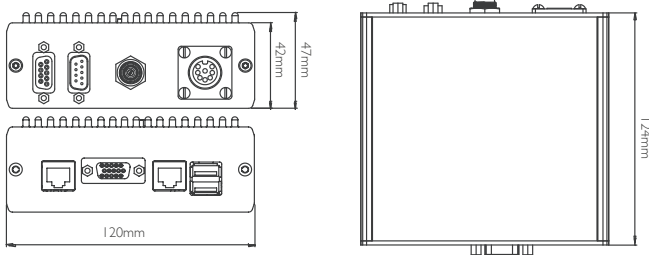
## Technical Specification

### R-Series OEM

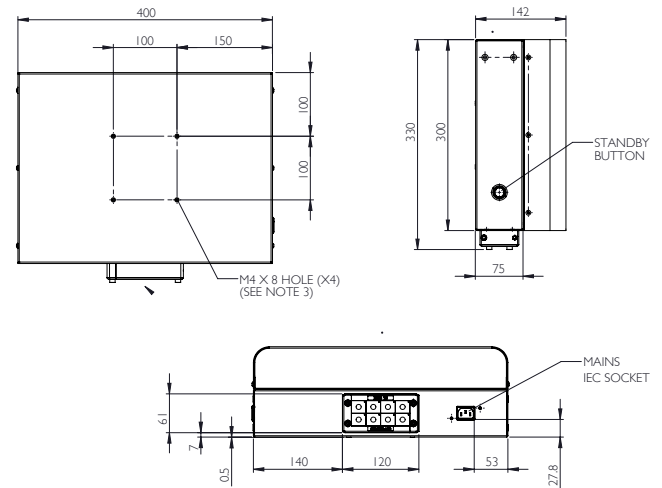
### R-Series i-Tech

Performance		
Max. products/hour	60,000	90,000
Camera system	Single camera system	Single and dual camera system
Max. areas of interest (AOI)	3 (R150) / 4 (R350, R550)	8 (R150) / 10 (R350, R550)
Software Packs		
Enhanced MRC pack	optional	included
Barcode grading pack	na	optional
2nd camera licence	na	optional
Hardware Options		
No enclosure (OEM variant)	standard option	na
Enclosure without touchscreen	optional	optional
Enclosure with touchscreen	optional	standard option
Line-scan camera	na	optional
Controller Specifications		
Dimensions (WxLxD)	Standard OEM variant: 120mm x 124mm x 47mm	Standard touchscreen variant: 300 mm x 400 mm x 150 mm
Weight	0.68kg	12kg
Ingress protection	IP20	IP65
Inputs	1 camera trigger	Up to 2 camera triggers
Outputs	4 programmable outputs	
Ports	Ethernet, Ethernet GigE, VGA, USB x 2	5-port network switch, Ethernet GigE x 3, USB x 4
Electrical supply	110-240 AC, 50-60 Hz, 3-way plug output: 12V DC	110 to 240V AC, 50 to 60 Hz, 180 mA maximum at 230 VAC

OEM controller



i-Tech Controller



## TALK TO AN EXPERT

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