



Code Assurance

# Videojet® Code Detection System

The Code Detection System provides an enhanced level of Code Assurance by checking for the presence of a printed code on products and packaging.

The Videojet Code Detection System is purpose built for detecting ink jet code codes on flat, light-colored, non-reflective surfaces. The system provides an additional level of Code Assurance by adding automated inspection to traditional manual sampling. The system uses presence/absence detection to verify that a continuous ink jet printed code contains an appropriate number of pixels.

Designed for simple usability, set-up is an easy 3-step process. And the system bracket holds the detectors, printhead, and camera in alignment with each other, virtually eliminating manual adjustments.



## Uptime Advantage

- Simple system set-up helps reduce changover time, providing maximum production line uptime
- Integrated lighting takes the guesswork out of system configuration, helping to eliminate fake negatives from changes in ambient lighting

## Built-in productivity

- Configurable outputs including warnings, product eject triggers and line stops help identify and resolve issues immediately
- Quickly identify the root cause of printing errors by reviewing the improper code images stored on the system controller

## Code Assurance

- Automatic code detection reduces the need for manual inspection, freeing operators to focus on more critical tasks
- Configurable settings include reject threshold percentages and cumulative errors to meet customer-specific quality and operational requirements

## Simple usability

- Once the camera is activated, a simple 3-step system set-up helps minimize changover time
- Easy to install with mounting bracket that helps ensure the camera is properly positioned relative to the print surface
- Single vendor for printer and verification components consolidates system performance to a single point of contact

# Videojet® Code Detection System

## Code Assurance

### Compatibility

Can be used with Videojet 1520, 1620, 1550 and 1650 ink jet printers

### Fault threshold settings

User-defined or simple Low / Medium / High defaults  
User-defined reject and line stop counts\*

### Code print detection area

Maximum 0.5" high x 2.5" long

### Detection capabilities

Absence of code, code shifted outside region of interest, clipped code

### System components

Bracket, camera, beacon, stand, touchscreen user interface

### Camera

Integrated lighting  
No manual focus required

### Speed

Maximum of 300 parts per minute or 300 feet per minute (91.4 mpm)

### Substrate Requirements

Flat, white/light color, non-reflecting of integrated LED lighting

### Ink

Black

### External inputs/outputs

Dry contact relay; 250 VAC/6 Amp max

### Electrical requirements

Nominal supply power 100-120 / 200-240 VAC at 50/60 Hz., 75W

### Environmental protection

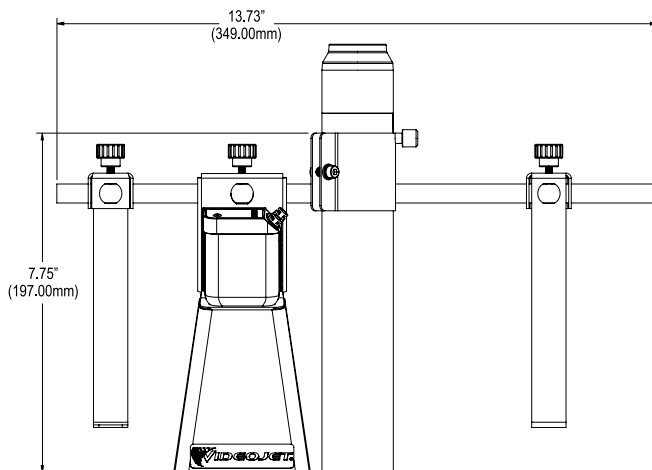
IP20 rating

### Temperature/humidity range

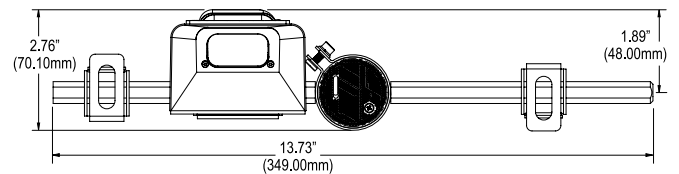
32 F to 122 F (0 C to 50 C)  
0% to 90% RH non-condensing

\* Camera must be activated prior to set-up

### Dimensions - top down view



### Dimensions - side view



Call **800-843-3610**

Email **info@videojet.com**

or visit **www.videojet.com**

Videojet Technologies Inc.

1500 Mittel Blvd. Wood Dale IL 60191 / USA

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