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 changeover 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

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- 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 changeover 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

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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)

* Camera must be activated prior to set-up

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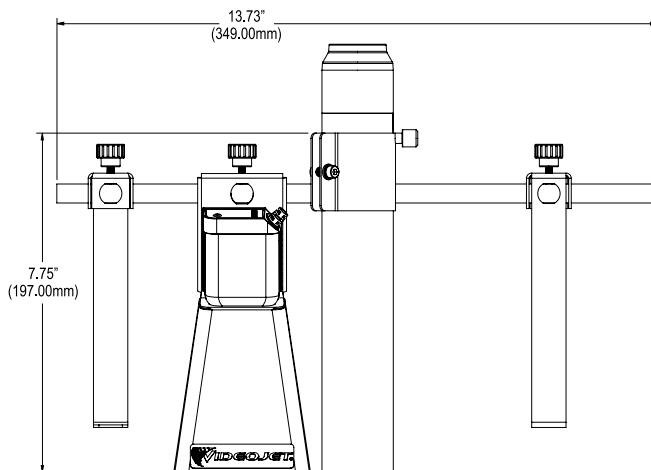Nominal supply power 100-120 / 200-240 VAC at 50/60 Hz., 75W

Environmental protection
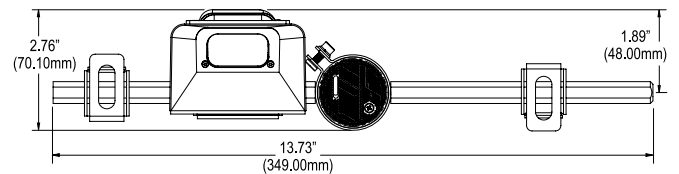IP20 rating

Temperature/humidity range
32 F to 122 F (0 C to 50 C)
0% to 90% RH non-condensing

Dimensions - top down view

13.73"
(349.00mm)

7.75"
(197.00mm)

Dimensions - side view

2.76"
(70.10mm)

1.89"
(48.00mm)

13.73"
(349.00mm)

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