



Workflow Solutions

# Visual Code Inspection System

Simple-to-use, multi-tool vision system designed specifically for code inspection.

Vision systems are meant to address a variety of inspection needs, but they can be complicated and have functionality trade-offs. The Videojet Visual Code Inspection System (VCIS) is specifically designed to verify printed codes on consumer packaging. A truly innovative technology, Videojet VCIS addresses production needs, is easy-to-use and is ideal for continuous inkjet (CIJ) applications.

Tightly integrated with Videojet 1000 Line Ethernet-enabled CIJ printers, duplicate set-up is removed, making job configuration both faster and less prone to error. The Videojet VCIS is cost-effective as third-party integration is not needed to tailor the system to your application. To help alleviate false rejects common with standard inspection systems, Videojet offers several inspection tools to best fit your production needs, including our proprietary Code Quality Trend™ algorithm.



## Simple usability

- The VCIS creates the “region of interest” which can be easily fine-tuned on the 12.1” touchscreen user interface
- Select, load, print and inspect jobs by product SKU, name or photo displayed on the touchscreen or by scanning a bar code
- The VCIS is designed to recognize Videojet printer font sets, reducing the need for time-consuming font training

## 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 quality and operational requirements

## Built-in productivity

- Multiple inspection modes especially designed to minimize false rejects and to help keep your line running
- Code Quality Trend™ – a proprietary algorithm that tracks readability across multiple prints to detect and alert you to degradation in print quality
- False rejects can be further minimized by programming the VCIS to ignore hard-to-read sections of code and similar characters
- Configurable email alerts to notify you of code issues when you are not physically present at the packaging line

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### Printer compatibility

Can be used with Videojet 1000 Line printers with Ethernet connectivity

### Inspection tools

Presence/absence of code within defined region  
Bar code scanning and verification  
Optical Character Recognition – full OCR and Code Quality Trend™ mode

### System components

Camera with mounting equipment, touchscreen HMI with stand, application I/O junction box, beacon light, product detector, software, 3 meter length cables

### Camera

Integrated lighting  
Fixed focus

### Code print inspection area

Maximum 0.5" high x 2.5" long

### Processing speed

800 MHz, equates to 300 parts/minute nominal; exact maximum throughput is image dependent

### Fault baselines

User-defined or simple low, medium and high defaults  
User-defined reject and line stops  
User-defined sample size baselines for Code Quality Trend (I/O or e-mail output)

### Environmental protection

Camera IP65  
HMI IP65 (front panel only)

### Temperature/humidity range

32° to 104°F (0° to 40°C)  
0% to 90% RH

### HMI hardware

12.1" touchscreen with 1024 x 768 resolution  
8 GB Memory  
60 GB solid-state hard drive

### Software

Windows® 10 OS  
Videojet Code Inspection application software

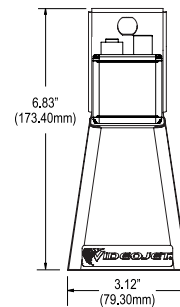
### External inputs/outputs

Dry contact relay: 250 VAC 6 Amp max

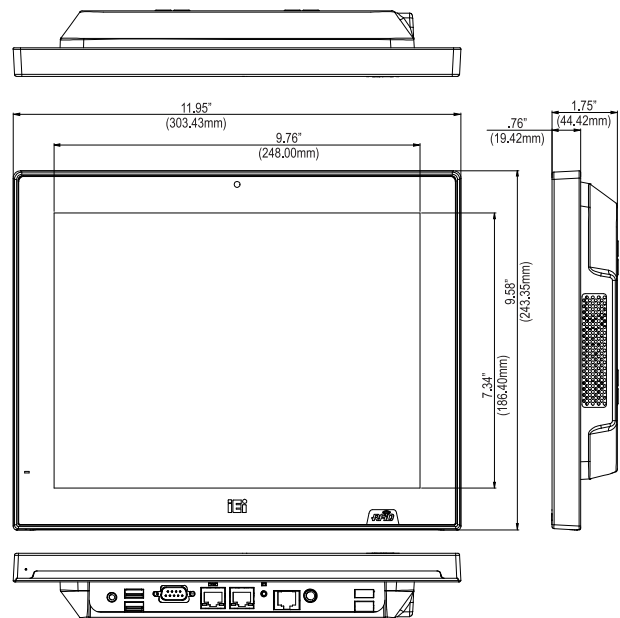
### Electrical requirements

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

### Dimensions - Camera assembly



### Dimensions - User interface



Call **800-843-3610**

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