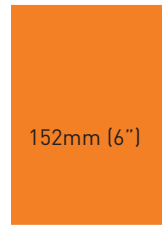


# EAGLE™ QuadView

## X-RAY INSPECTION SYSTEM



304mm (12")

152mm (6")

### Maximum Dimensions

Max Height <= 12" (304mm) Max Width <= 6" (152mm)

### Feature Highlights

- **Advanced image analysis with proprietary SimulTask™ software for automatic detection and rejection**
- **Auto-learn enables simple setup for new products**
- **Built in modem and Ethernet card for remote technical support**
- **High speed imaging up to 120MPM [400FPM]**
- **A/C Cooling is standard on all models**
- **HACCP ready, full event and contaminant logging**
- **Provides 100% inspection of the jar/bottle bottom, eliminating blind spots**

The Smiths Detection Eagle QuadView provides inspection for contaminants including: metal, stone, glass, dense plastics and calcified bone. The system can also verify fill level, measure headspace and verify component presence/absence.

The Eagle QuadView is designed for the inspection of high-speed jar, bottle and composite lines as well as other upright container formats. The four-view detection coverage provides full inspection of container sizes up to 305mm [12"] tall and 152mm [6"] in diameter, eliminating blind spots that commonly occur at the bottom of the container. Capable of carrying out multiple inspections at line rates in excess of 1000 PPM, standard and high-

resolution detector packages are available to satisfy each customer's specific requirements by balancing smaller contaminant detection and high line speeds. The Eagle QuadView is network capable, allowing remote access by Smiths Detection's expert technicians to quickly diagnose and often correct issues without dispatching a technician for on-site service. The system is available in IP65 and IP69k environmental ratings to suit any packaging plant environment.

# Technical Data **EAGLE QuadView**

## General Specifications

Max. object size	305mm [12"] high and up to 152mm [6"] in diameter
Conveyor heights	Installs over existing conveyors between 914mm [36"] and 1397mm [55"] high
Conveyor speed at mains frequency	Operates on existing conveyors with speeds between 30-120MPM [100-400FPM]

## X-ray Generator

Max. anode voltage • cooling	0-70kV or 0-140kV • hermetically sealed oil bath
Current	5mA
Beam direction	Two offset, dual beam generator tubes produce four front to back beams parallel to belt

## Image Generating System

Software	Simul-Task proprietary image processing software
Computer	Industrial PC Intel CPU Core2Duo E8400 2x 3.0Ghz w/2GB RAM, HDD 80GB Windows® XP embedded, integrated UPS • touch screen color monitor w/USB keyboard
Detector	Four 1.2mm pitch, single energy detectors
X-ray converter	16bit A/D Converter

## Communications

I/O	I/O board with up to four input signals, four reject outputs, five PLC status signals, RS-232 interface
Network	Network card 10/100 mbps
Statistical data	Throughput, reject, weight, and system validation statistics available both in the GUI and SQL Database

## Installation Data

Protection rating/Operating temp	IP65k/0°-43°C [32°-110°F]
Cooling method	12000 BTU/hr air conditioner
Power requirements	230 VAC, +15/-10%, 50/60 Hz, 20 Amp, single phase
Air requirements	5.5BAR [80psi], 9.5mm [3/8"] line, dry and filtered
Water requirements	Flow 7.6LPM [2.0GPM]/Temp 10°-32°C [50°-90°F]

## Additional Features

Reject options	Signal only, reject light, single piston push arm, single lane air blast
Multi-Task™	Software upgrade enabling advanced detection and control logic, discrete rejecting, reporting, and tracking capabilities
Reject stations	Multiple rejection stations linked to inspection routines

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