

# RS-2200 Technical Specifications

## General

<b>Camera Type</b>	Single chip Monochrome CMOS camera with Firewire interface <ul style="list-style-type: none"> <li>• 3000 X 2208 monochrome pixels</li> </ul>
<b>Camera Module Size (max)</b>	450 mm height X 150 mm diameter
<b>Defect Detection Capability</b>	Minimum Defect Size Detected: As small as 60 µm in the smallest direction on the disc, depending on contrast. Minimum Threshold of Detection: 7-10 grey levels above average image noise level Contrast Level: Minimum required defect to background contrast level varies with defect type and metallization relectivity
<b>Types of Defects Found</b>	<ul style="list-style-type: none"> <li>• Pinholes</li> <li>• Ink Splatter/Streaks</li> <li>• Scratches</li> <li>• Dust</li> <li>• Bumps / Indents</li> <li>• Lacquer Defects</li> <li>• Cracks</li> <li>• Delaminations</li> </ul>
<b>Hardware Components</b>	Industrialized personal computer complete with image acquisition module; I/O interface module to PC; monitor; Windows® Operating System Camera module with integrated lenses Up to 2 Solid state light sources for excellent surface defect detection performance 7.5 m Camera and I/O Cables Documentation Package
<b>Software Modules</b>	<ul style="list-style-type: none"> <li>• Intelligent Defect Analysis</li> <li>• Presets for Different Setups</li> <li>• Automatic Light Setup</li> <li>• Production Statistics</li> <li>• Large Dynamic Range Light Adjustment</li> </ul>
<b>GUI Language Support</b>	English – Other languages on request
<b>Reject Classification</b>	By Size, by Location (Cartesian or Zone) and Geometry
<b>Cycle Time</b>	Up to 120 parts per minute depending on print machine cycle Acquisition is completed in 200 msec
<b>Required Disc Alignment</b>	To within +/- 0.5 mm
<b>Number of Camera Heads</b>	Up to Two IADs (Image Acquisition Device) supported per processor
<b>Mounting</b>	Flat mounting base with adjustment options
<b>Operating Conditions</b>	Power: 100-240 VAC, 500 watts, 50-60 Hz. Temperature: 10-40 °C (50-104 °F) Humidity: 10-60% RH (non-condensing)
<b>Fast Transient Immunity</b>	Conforms to IEC 61000-4 level 2
<b>Air Requirement</b>	Fine filtered medical-grade dry air feed capable of 1-2 bar (15-30 psi) pressure. Flow rate of 0.1 m3/min (3 cu. Ft./min)