

# **Nova Scotia Aerial Photography Digital Roll Scanner Specifications**

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Date: September 2006

Version 1.0

# Aerial Photography Digital Roll Scanner Specifications

Scanners must meet or exceed the following specifications:

<b>Parameter</b>	<b>Tender Spec Minimum</b>
Geometric Accuracy	+/- 2 microns
Optical Density	0.001 to 3.3D
Optical Resolution	7 microns
Output Data – Bit Depth Minimum	8 bit B&W - 24 bit Color
Pixel Resolution Range	7 to 224 microns
Scanner Area – Minimum (for Roll Film)	235 mm X 235 mm
Dynamic Range	2.5D
Image Formats	JPEG, TIFF6.0, TIFF (tiled)
Type of CCD	Linear array
Type of Stage/Camera System	Fixed stage, Moving camera
Scan Speed (Throughput for Roll Film)	235 X 235 mm image @ 20 microns: Colour less than 10 minutes
Input Formats:	Roll Film (Negatives and Positives) Diapositives and Contact Prints
Other Features	Automated/Unattended Roll Feed Scanning 1 Pass Colour Scanning