

■ CI-602 Comparison Chart

	CID Bio-Science	(CI-600) CID Bio-Science	Bartz Technology Corp
Specification	CI-602 Narrow Gauge Root Imager	CI-600 In-Situ Root Imager	BTC2 Minirhizotron Video Microscope
Scanner/camera resolution	100 - 1200 DPI	100 - 600 DPI	470 TV lines color resolution
Image size	21.6W x 18L cm	21.6W x 19.6L cm	13.5 mm vertical x 18 mm horizontal
Scan speed	16 - 84 seconds depending on scanning resolution	30-480 seconds depending on scanning resolution	n/a
Interface	USB port	USB port	Requires monitor to view images in field and method to store images (sold separately)
Power supply	USB port; powered by included handheld tablet computer	USB port; powered by included handheld tablet computer	8 hour field power supply: 12 V battery or AC 90 to 260 Volt power
Scan head dimensions	35.9 cm long x 4.6 cm diameter	34.3 cm long x 6.4 cm diameter	n/a
Scanner unit weight	478g	750g	n/a
Scanner head rotation	Nearly 360 degrees	Nearly 360 degrees	360 degrees

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Water resistant	No, but tubes are designed to be water-tight and insulated caps reduce condensation	No, but tubes are designed to be water-tight and insulated caps reduce condensation	Water resistant camera
Field case included	Yes	Yes	Yes
Magnification	15X	15X	15X
Image capture and file management	Included tablet computer which powers device and provides live-updating images in the field.	Included tablet computer which powers device and provides live-updating images in the field.	BTC I-CAP Image Capture System (Sold separately)
Software	Operation software and RootSnap! Analysis Software are provided on included tablet computer or easily download software on additional laptops or tablets with Windows operating system.	Operation software and RootSnap! Analysis Software are provided on included tablet computer or easily download software on additional laptops or tablets with Windows operating system.	Use optional I-CAP software and field computer to capture, name, and store digital images in the field. (Sold separately)
ROOT TUBE			
Standard clear tube dimensions	5 cm inner diameter x 105 cm length, custom lengths available on request	6.35 cm inner diameter x 105 cm length, custom lengths available on request	2 inch (51 mm) diameter tube, 3.2 mm thick tube wall, standard tube length is 6 feet
Tube material	Clear extruded acrylic with machined watertight bottom plug and insulated top cap.	Clear extruded acrylic with machined watertight bottom plug and insulated top cap.	CAB (Cellulose Acetate Butyrate) or Extruded Acrylic