

CRYSTAL Project



TECHNICAL DATA SHEET

DREAMPATH DIAGNOSTICS

8 rue Schertz
Bâtiment B2
STRASBOURG, 67100, FRANCE
contact@dreampathdx.com
Tél. +33(0)3 88 16 15 42

AUTHORS:

FONTENILLE Guillaume

CRYSTAL product presentation

The CRYSTAL project aims to develop a scanning and archiving system for glass microscope slides containing tissues to ensure their traceability. This scanner will be used by technicians in anatomo-pathology laboratories in both private and public sectors.

For further informations about the project, refer to the technical specifications from Streb & Weil ¹.

¹(Project n° : SP-2194)

Technical Data Sheet

1 Scanner

Dimensions	Width	72.00 cm / 28.35 in.
	Depth	45.35 cm / 17.85 in.
	Height	33.70 cm / 13.27 in.
	Weight	26.00 kg / 57.32 lb.
Electrical (LPS power supply) - DPOWER01	Input	100 V - 240 V / 0.8 A (50 Hz - 60 Hz)
	Output	24 Vdc - 1.25A max.
	Output power	30 W
Electrical (Scanner)	Input	24 Vdc - 0.8 A
Environmental Operating Temperature	15 °C to 40 °C (59 °F to 104 °F)	
Operating Humidity	< 90 %	
Operating Altitude	< 2000 m (9845 ft.)	
Regulatory Information	<p>We certify that the CRYSTAL Scanner is designed and manufactured in application of the following European Council Directives:</p> <ul style="list-style-type: none"> • Electromagnetic compatibility 2004/108/EC • Electrical security 2014/35/UE • Restriction of the use of certain Hazardous Substances in electrical equipment (RoHS) 2011/65/EC 	
Materials of Construction	Enclosure	Stainless steel chassis with epoxy paint and ABS thermoformed bonnet
	On/Off Switch	Polyamide 6.6
	Power Inlet	Brass, nickel plated, ABS
	USB Plug	PVC, steel, nickel, copper alloy, polyester, Nylon 6, silicon, neoprene
	Ethernet Plug	PVC, steel, nickel, copper alloy, polyester, Nylon 6, silicon, neoprene
	Feet	PVC

2 Trays

Dimensions	Width	31.00 cm / 12.21 in.
	Depth	59.5 cm / 23.43 in.
	Height	1.21 cm / 0.48 in. (1.11 cm / 0.44 in. stackable)
	Weight	0.42 kg / 0.93 lb.
Materials of construction	Injected PS (Polystyrene)	
Storage capacity	240 glass slides	

3 Metal Cabinet

Dimensions	Width	52.00 cm / 20.47 in.
	Depth	59.00 cm / 23.23 in.
	Height	35.00 cm / 13.78 in. (stackable)
	Weight	15.00 kg / 33.07 lb.
Materials of construction	Inox 304L with epoxy paint	
Storage capacity	40 trays	

4 Cardboard Cabinet

Dimensions	Width	33.40 cm / 13.15 in.
	Depth	60.00 cm / 23.62 in.
	Height	11.00 cm / 4.33 in. (7.20 cm / 2.83 in. stackable)
	Weight	0.31 kg / 0.68 lb.
Materials of construction	Cardboard simple groove with kraft paper coating	
Storage capacity	4 trays	