

SPECIM CUBE

PRELIMINARY TECHNICAL SPECIFICATIONS

Supported cameras	FX10 CL / FX17 CL
Operating system	Specim CameraOS
Operating modes	Real-time processing, data collection
Real time processing	Using applications created with Specim INSIGHT
User interface	CameraOS - webUI
SoC	NVIDIA Jetson Xavier AGX
Storage	256GB
Data format	Specim dataset with ENVI compatible files
Camera Interface	CameraLink (SDR connector)

CHARACTERISTICS

Size (W x L x H)	W: 190 x L: 300 x H: 90 mm
Weight	4.6 kg
Buttons	Power and recovery
Certifications	CE, FCC, RoHS3
Temperature, operational	-10 °C ... +60 °C
Humidity operational	40 °C at 95%, Non-Condensing

CONNECTORS

Networking	2 x 1 Gigabyte Ethernet (RJ-45)
USB	2 x USB 3.0 (USB type A)
RS-232	1 x RS-232 (SUB-D9)
RS-485	1 x RS-485 (3 way terminal block)
CAN	1 x CAN bus with transceiver (3 way terminal block)
External triggers	4 x isolated inputs or shaft encoder, 4 isolated outputs
Input power	9-36V

PROTOCOLS

GigE Vision	GigE Vision compliant. Streaming and controls. Supported format RGB8(application results), Mono12 or Mono12packed (detector image)
JSON-RPC	TCP/IP protocol for controlling CUBE - alternative for GigE Vision
Websocket	Allows easy creation of HTML based control panel interface
Specim UDP	UDP alternative to GigE Vision network protocol for data streaming
Network discovery	UDP based network discovery
FTP	For transferring the datasets
AIE	Advanced Automatic Image Enhancement