

Processing platform CUBE

Technical Specifications (CameraLink)

Supported Cameras	FX10 CL/FX17 CL
Operating System	CameraOS
Working mode	Real-time processing, data collection
Real-time processing	Use applications created through INSIGHT
User interface	CameraOS - Web User Interface
On-Board System	NVIDIA Jetson Xavier AGX
Storage	1TB
Data format	Dataset containing ENVI compatible files
Camera Interface	CameraLink (SDR Interface)

Features

Dimensions (W x L x H)	W: 190 x L: 300 x H: 91 mm
Weight	4.3 kg
Buttons	Power and Reset
Certification	CE, RoHS
Operating Temperature	+5 °C ... +40 °C
Operating humidity	95% at 40 °C, no condensation

Interface

CameraLink	2 SDR interfaces
Network	2 gigabit Ethernet ports (RJ-45)
USB	2 USB 3.0 + 2 USB 2.0 (USB type A)
RS-232	1 RS-232 (M12 - 4 pin)
RS-485	1 RS-485 (3-way terminal block)
CAN	1 CAN bus with transceiver (3-way terminal block)
HDMI	2 HDMI
External trigger signal	4 isolated inputs or axis encoders (M12 - 12 pins), 4 isolated outputs (M12 - 17 pins)
Input Power	10-32Vdc (M12 - 4 pins)

Protocol

Supported Streaming Formats	Detector Image: Mono12, Mono12packed (only for GigeVision), Mono16 Application: RGB8, ClassID Quantization Technology Preview: Scaled8, Scaled16, FixedPoint16
GigE Vision	Compliant with GigE Vision standard
JSON-RPC	TCP/IP protocol, used for controlling CUBE
Websocket	A protocol for data stream transmission in web user interfaces
UDP Vision	UDP protocol for data stream transmission
Network discovery	UDP Broadcast Network Discovery
FTP	For transferring datasets