FPD-LINK III CAMERA BOARD
FOR NVIDIA® JETSON AGX XAVIER™ & AGX ORIN™
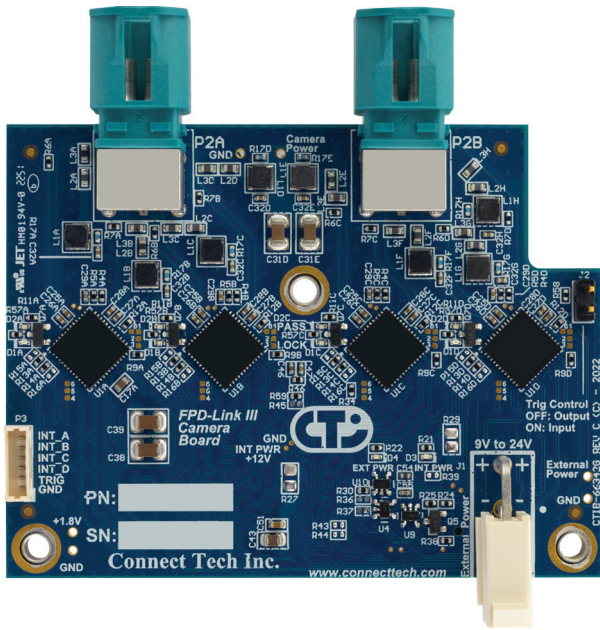
PART NUMBER: JCB006

This expansion board allows for the connection of FPD-Link III Deserializers to the Rogue & Rogue-X for AGX Xavier, and Rogue & Forge for AGX Orin carrier.

Power to the cameras is provided by PoC (Power over Coax) so all the data, control signals, and power are sent through a single 50 Ohm Coaxial cable. This allows for flexibility in cable routing and length.

NVIDIA. ELITE PARTNER

8 FPD-Link III inputs, connecting to the NVIDIA Jetson via 4-Lane MIPI CSI-2 Connections

FEATURES

✓ 8x FPD-Link III camera inputs, 2x per deserializer

✓ Internal and external power capability *

✓ 16-Lane MIPI input to NVIDIA Jetson, Four 4-Lane connections, 2 cameras per link.

✓ Power over Coax

SPECIFICATIONS

Deserializer	Texas Instruments DS90UB954	**MIPI Output**	A single 4-lane MIPI CSI-2 v1.3 output from each Deserializer (16-lanes total)
Camera Input Connectors	8x FPD-Link III Camera Inputs 2x Quad Right Angle FAKRA-Mini Connectors	**PoC (Power-Over-COAX)**	Power each camera via Power-Over-COAX
Power	Can be powered directly from carrier or external +12V Input.	**Operating Temperature**	-40°C to +85°C (-40°F to +185°F)
Warranty and Support	1 Year Warranty and Free Technical Support		

* External Power required for applications > 2 sensors.