VIDIO™
12G SDI FMC Daughter Card

XILINX
ALLIANCE PROGRAM
MEMBER

12G

4Kp60

IP

Providing high performance video interfacing for development boards with Xilinx® Ultrascale, Ultrascale+, Kintex, Virtex, and Zynq FPGAs
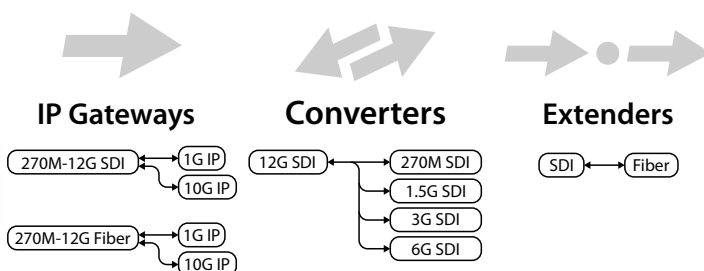
Features

Designed to support Xilinx KCU116, KCU105, KC705, ZCU102/106, and most other Xilinx development boards supporting the FMC HPC Standard

- Single FMC board supports SDI, Fiber, and IP
- Economical single channel solution
- Uses the latest 12G Texas Instruments® technology
- Full size 12G edge launch BNC connectors
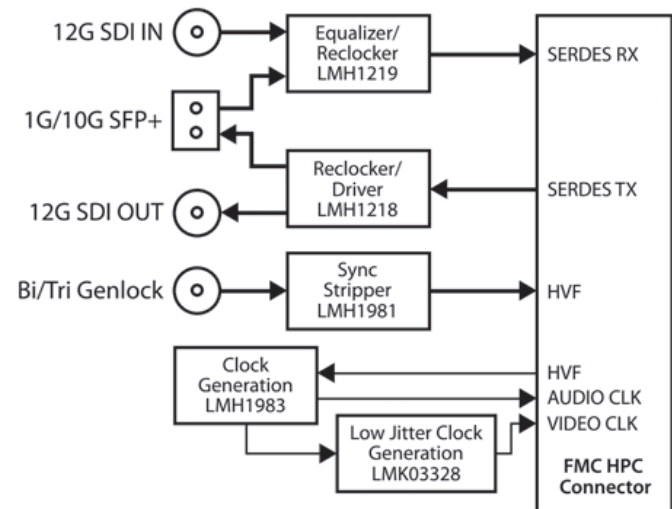- Can drive 12G SDI 100m with low jitter

Connections

- 4Kp60 SDI I/O, supports SD/HD/3G/6G/12G/Fiber
- 1G/2.5G/10G Ethernet/Video SFP+
- Bi/Tri Level Genlock, supports Blackburst

Block Diagram

Applications

IP Gateways

270M-12G SDI ↔ 1G IP / 10G IP

270M-12G Fiber ↔ 1G IP / 10G IP

Converters

12G SDI → 270M SDI / 1.5G SDI / 3G SDI / 6G SDI

Extenders

SDI ↔ Fiber

Ordering Info: VIDIO-12G-X (Xilinx)

Reference Design Available

- Schematics, Layout, Gerbers, and BOM
- Example FPGA Project

Nextera Video

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