VIDIO™
FMC Development Module

Providing the latest video interfacing for select Xilinx® Ultra Kintex, Kintex, Virtex, and Zynq development boards, featuring 12G SDI and IP up to 4Kp60

Features
Designed to support Xilinx KCU105, KC705, VC709, ZC706 and other 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

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

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

Block Diagram
12G SDI IN
Equalizer/Reclocker LMH1219
SERDES RX
SERDES TX
1G/10G SFP+
Reclocker/Driver LMH1218
12G SDI OUT
Clock Generation LMH1983
Sync Stripper LMH1981
Bi/Tri Genlock
HVF
HVF
AUDIO CLK
VIDEO CLK
FMC HPC Connector

Reference Design Available
• Schematics, Layout, Gerbers, and BOM
• Example Project

Model Number - VIDIO-12G-X

Nextera Video
sales@nexteravideo.com
www.nexteravideo.com
(650) 600 - 9686