

The SOC VoIP-X-4K Board

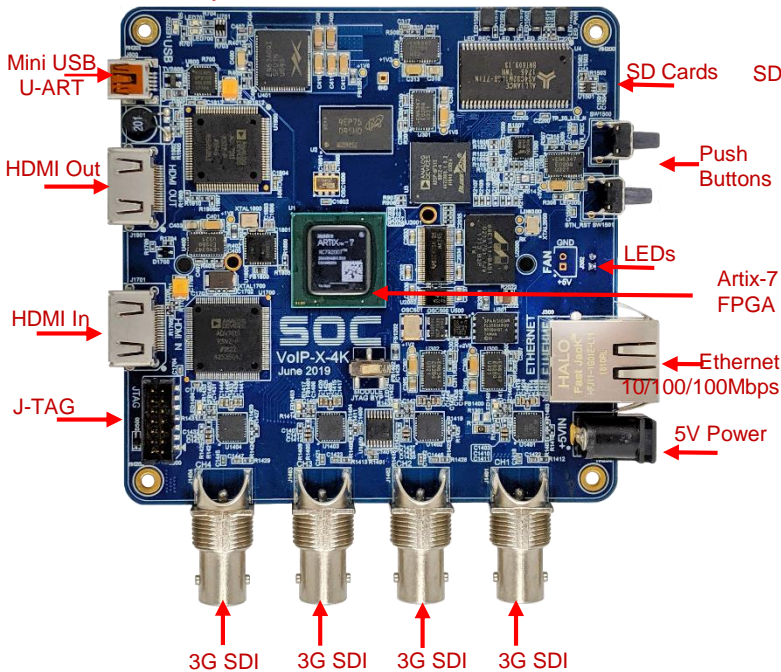
Product Description

The SOC VoIP-X-4K board along with a preloaded SOC MPEG codec IP core (encoder or decoder or both) is an end-user product of a video transmitter (encoder) or receiver (decoder) or both. With a SOC codec (encoder or decoder) module, it reaches the capacity of 4K@60 or 4X1080@60 resolutions for either encoding (transmitting) or decoding (receiving). SOC supplies the VoIP-X-4K as an OEM product. The VoIP-X-4K with a SOC SoM module can also be used as a user product development platform. The dimensions of the VoIP-X-4K are 10cmX10cm.

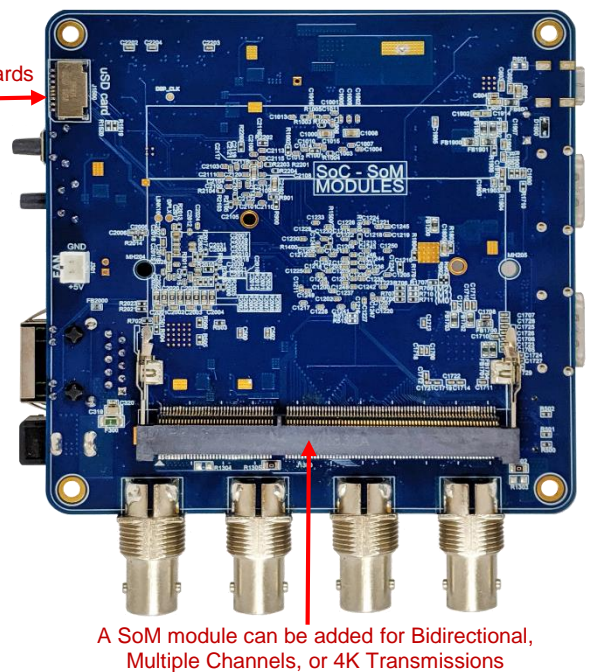
Key Features

- Xilinx Artix-7 XC7A200T FPGA
- SOC SoM or Codec Modules
- 4x3G HD-SDI ports for either inputs or outputs
- 4Gbit DDR3 Memory
- HDMI input and output
- Tri-Speed Ethernet (10/100/1000Mbps)

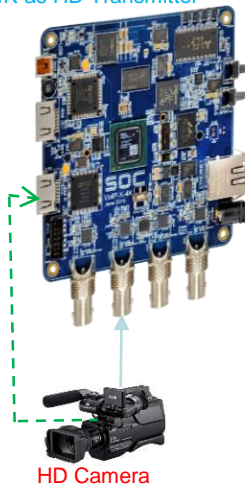
VoIP-X-4K Top View



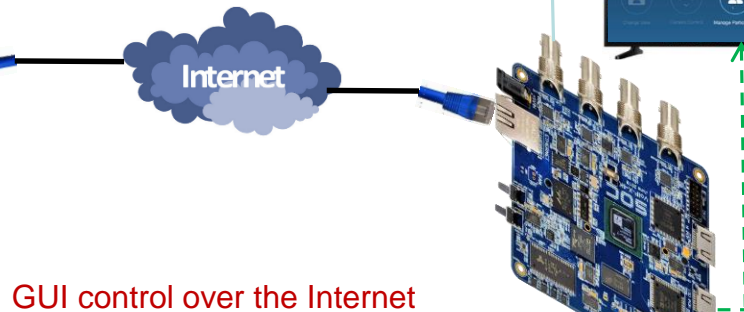
VoIP-X-4K Bottom View



VoIP-X-4K as HD Transmitter



VoIP-X-4K Application Example Transmitter or Receiver (Super Low Latency)



VoIP-X-4K as HD Receiver