



- GenAPI PC based control monitor
- ZYNQ based GEV HOST application with XILINX HLS online processing
- Processed image to be outputted on FPGA display system

Fields of Application

- new camera development
- new frame grabber development
- custom CMOS/CCD sensor interface
- upgrade existing products to GEN<I>CAM standard

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ALTERA - Intel PSG, 1C9

	Ν	$IVDK \rightarrow Machine Vision Development Kit$
	•	ALTERA modules from Enclustra work out of the box
now part of Intel	•	2 FMC connectors for best choice of standard FMC interfaces
	•	On-board 1GBit Ethernet from HPS as FPGA, HDMI and USB3
	•	Reasonable price for complete hardware, reference design and community support
	•	Start with Cyclone5-SOC reference designs for:
		GEV DEVICE and HOST
		 U3V DEVICE with S2I FX3 FMC module
		CXP DEVICE and HOST with S2I FMC module
		Sony IMX® CMOS camera with S2I FMC module

XILINX, 1C82

XILINX ALL PROGRAMMABLE 14	 Standard off the shelf CXP camera S2I CXP HOST core on KINTEX KC705 S2I GEV DEVICE core at NBase-T PHY on same KINTEX KC705 at 5GBit/sec
	 PC with NBase-T NIC All connected together to demonstrate a setup like described and proposed in <u>WP453</u>

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