


NEW PRODUCT	 A National Instruments Company	Release Year 2017	Released Quarter Q1
Digilent Part Number 410-346-20		Category FPGA	

OVERVIEW

Product Name: All Programmable SoC Zynq-7000 Z70-20 Development Platform for Embedded Vision

Product Subtitle: Perfect for software, hardware, and system developers to build Embedded Vision applications

Product Description: The Arty Z70-20 enables maker pros, engineers, system integrators and designers to get started quickly on their embedded vision designs. The ready-to-use development platform builds on Xilinx All Programmable SoC Zynq 7020. It is targeted at custom video applications and capable of real-time video processing through the on board 512MB DDR3 and HDMI inputs and outputs

User can use SDSoC™ development environment from Xilinx, which provides a C/C++ ASSP-like programming experience to improve productivity for system architecture definition and application development. The combined a versatile Arty Z7-20 hardware platform with SDSoC, software development tools can let users build a range of embedded vision systems.

Key Search Terms: Digilent, ZYNQ, Z7020, SDSoC , Xilinx
Embedded Vision, Image Processing

Video Link: NA (No video)

Datasheet: <https://reference.digilentinc.com/reference/programmable-logic/artzy-z7/start>

Demo / Project Links: TBA

Features

- XC7Z020-1CLG400C with 650MHz dual-core Cortex-A9 processor
- 512MB DDR3 with 16-bit bus @ 1050Mbps
- 16MB Quad-SPI Flash
- microSD slot
- Gigabit Ethernet PHY
- HDMI sink port (input) & HDMI source port (output)
- PWM driven mono audio output with 3.5mm jack
- Two 12 pins Pmod connectors
- USB-UART bridge
- USB OTG PHY (supports host only)
- Arduino/chipKIT Shield connector
- Powered from USB or any 7V-15V external power source
- USB-JTAG Programming

Product Image

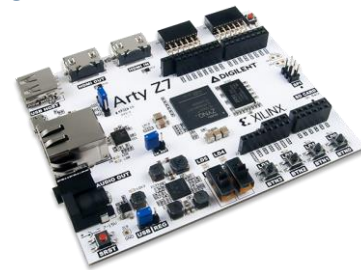


Image Links:


- <https://flic.kr/p/MmfBrN> (Oblique)
- <https://flic.kr/p/MmfBzJ> (Top)
- <https://flic.kr/p/Mm8XqD> (Bottom)

3 Target Applications

- Embedded Vision
- Embedded System
- Motor control

Related Products

- Arty (410-319)
- MTDS (410-317)
- All Pmods

NEW PRODUCT	 A National Instruments Company	<i>Release Year</i> 2017	<i>Released Quarter</i> Q1
<i>Digilent Part Number</i> 410-346-20		<i>Category</i> FPGA	

PRODUCT DATA

<i>Dimension*</i>	3.44x2x4.81 inches	<i>Weight*</i>	0.5 lbs
<i>Product Type</i>	<input checked="" type="checkbox"/> Digilent <input type="checkbox"/> Resell		
<i>Packaging</i>	Box		
<i>Export</i>	EAR99	<i>HTS Code</i>	8473.30.11.80
<i>Kit Contents</i>	<input type="checkbox"/> USB Cable <input type="checkbox"/> Voucher <input type="checkbox"/> Power Supply Other: <Example>		
<i>Certifications</i>	<input checked="" type="checkbox"/> CE <input checked="" type="checkbox"/> RoHs <input checked="" type="checkbox"/> Reach <input type="checkbox"/> Other:		