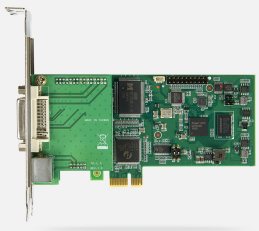
Picolo HD 3G DVI

3G 60FPS DVI HD 1080p 비디오 캡처 카드



둘러보기

- DVI, Y/Pr/Pb, S-Video 또는 CVBS 비디오 소스에서 비디오 및 오디오 캡처
- HD 1920x1080p50/60
- SD 525i60 및 625i50
- 범용 IO 라인 16개
- PCIe(2.0) Gen2 x1 버스

장점

Picolo HD 4.0을 위한 Multicam

- Windows 11 지원
- Windows Core 격리 지원
- 새로운 온라인 및 오프라인 문서

광범위한 HD/SD 비디오 소스와 호환:

- DVI
- Y/Pb/Pr
- S-Video
- CVBS

오디오 신호 캡처

- 스테레오
- 16비트 선형 PCM
- 32, 44.1, 48 KHz

범용 IO 라인 16개

Picolo HD Studio

- Picolo HD 시리즈 비디오 캡처 카드와 호환되는 시연 및 평가 프로그램
- 비디오에 십자 조준선 또는 임의의 그래픽을 표시할 수 있는 옵션을 포함하여 HD 비디오의 캡처와 라이브 디스플레이, 비파괴 오버레이 사용 시연
- 이미지 저장 가능
- 실행 가능한 애플리케이션 또는 소스 코드로 제공

API

- ISO 호환 C/C++ 컴파일러를 위한 Picolo HD 32비트 및 64비트 바이너리 라이브러리를 위한 MultiCam
- 32비트 및 64비트 애플리케이션을 위한 Microsoft Visual C++ 컴파일러용 DirectShow 필터
- DirectShow .NET C#

아날로그 Y/Pb/Pr, 오디오, 와치독 케이블 포함

애플리케이션

생명 과학 및 의료

- 내시경 애플리케이션용 SD 및 HD 이미지 캡처
- 치과 애플리케이션용 SD 및 HD 이미지 캡처
- 영상 유도 수술 애플리케이션용 SD 및 HD 이미지 캡처

사양

Mechanical

Format	Low profile, half length, 1-lane PCI Express card with optional "Bypass module"on second slot bracket
Dimensions	L 135 mm x H 68 mm L 5.31 in x H 2.68 in
Weight	73 g, 2.57 oz, without "Bypass module" 108 g, 3.81 oz, with "Bypass module"

Host bus

Standard	PCI Express 2.0
Link width	1 lane
Link speed	5.0 GT/s (PCIe 2.0)
Peak delivery bandwidth	512 MB/s
Power consumption	Max. 4.1 W

Camera / video inputs

Interface standard(s)	• DVI-D for HD digital video • DVI-A and Y/Pb/Pr for HD analog video • S-Video for SD analog Y/C video • CVBS for SD analog composite video
Connectors	• DVI-I Input: DVI-I socket(female) connector on the bracket for digital and analog video inputs • YCbCr/AVS Inputs: mini-DIN female connector on the bracket for one of the following cable: – Y/Pb/Pr/L/R component cable – S-Video/CVBS/L/R component cable • The Y/Pb/Pr/L/R component cable provides: – Y/Pb/Pr: three RCA female connectors for analog HD component video inputs • The S-Video/CVBS/L/R component cable provides: – S-Video: one 4-pin mini-DIN female connector for analog SD component video inputs – CVBS: one RCA female connector for analog SD composite video input
Formats and standards (HD)	Up to 1080p60 / 1080i60 / 720p60

Formats and standards (SD)	• 525i60 (NTSC M, NTSC J, PAL M) • 625i50 (PAL B/D/G/H/I, PAL N)
Number of cameras	1

Video delivery

Raw video format(s)	YUY2, Packed YUV 4:2:2
Deliverable video resolution (HD)	• 1080p or 1080i source : 1920 x 1080 down to 640 x 480 • 720p source: 1280 x 720 down to 640 x 480
Deliverable video resolution (SD)	• 525i60 source: 720 x 480 • 626i50 source: 720 x 576

Audio / Video Outputs

Loop-through	All digital and analog, audio and video input signals are replicated on the connectors of the bypass module
Connectors	• DVI-I Output: DVI-I socket(female) connector on the bypass module bracket for digital and analog video outputs • YCbCr/AVS Outputs: mini-DIN female connector on the bypass module bracket for one of the following cables: – Y/Pb/Pr/L/R component cable – S-Video/CVBS/L/R component • The Y/Pb/Pr/L/R component cable provides: – Y/Pb/Pr: 3 RCA female connectors for analog HD component video outputs • The S-Video/CVBS/L/R component cable provides: – S-Video: 1 4-pin mini-DIN female connector for analog SD component video outputs – CVBS: 1 RCA female connector for analog SD composite video

Audio inputs

Number of inputs	1, Stereo
Type	• L/R Audio: Two line-level analog audio inputs
Audio format	• 16-bit Linear PCM • 32 kHz, 44.1 kHz or 48 kHz
Connectors	• YCbCr/AVS Inputs: mini-DIN female connector on the bracket for one of the following cable: – Y/Pb/Pr/L/R component cable – S-Video/CVBS/L/R component cable • The Y/Pb/Pr/L/R component cable provides: – L/R : one twin RCA female connector for analog audio inputs • The S-Video/CVBS/L/R component cable provides: – L/R: two RCA female connectors for analog audio inputs

General Purpose Inputs and Outputs

Number of lines	16 I/O lines (IO)
Connectors	• I/O: 20-pin dual-row 0.1" header on the PCB • WATCHDOG: 4-pin dual-row 0.1" header on the PCB
Usage	General purpose IO
Electrical specifications	IO: Quasi-bidirectional I/O lines, individually configurable as input or output

Host system requirements

Processor	• Minimum: Core 2 Duo or better • Recommended: Intel 2nd/ 3rd Generation Core i3/i5/i7
System memory	• Minimum: 2GB DDR3 • Recommended: 4GB DDR3 (dual channel) or better
Graphic card	• Minimum: Supports DirectX 9 or higher • Recommended: Intel HD2000/2500/3000/4000 or better

Software

Host PC Operating System	• Microsoft Windows 10 for x86 (32-bit) and x86-64 (64-bit) processor architectures • Microsoft Windows 11 for x86-64 (64-bit) processor architecture
APIs	• MultiCam for Picolo HD 32- and 64-bit binary libraries for ISO-compliant C/C++ compilers • DirectShow filters for Microsoft Visual C++ compilers, for 32- and 64-bit applications • DirectShow .NET C#

Environmental conditions

Operating ambient air temperature	0 °C to +50 °C / +32 °F to +122 °F
Operating ambient air humidity	10% to 90% RH non-condensing
Storage ambient air temperature	-20 °C to +70 °C/ -4 °F to +158 °F
Storage ambient air humidity	10% to 90% RH non-condensing

Certifications

Electromagnetic - EMC standards	• European Council EMC Directive 2014/30/EU • United States FCC rule 47 CFR 15
EMC - Emission	• EN 55022:2010 Class B • FCC 47 Part 15 Class B
EMC - Immunity	• EN 55024:2010 / CISPR 24:2010 • EN 61000-4-2:2009 • EN 61000-4-3:2006 + A2:2010 • EN 61000-4-4:2012 • EN 61000-4-8:2010
RoHS	European Union Directive 2015/863 (ROHS3)
REACH	European Union Regulation 1907/2006
WEEE	Must be disposed of separately from normal household waste and must be recycled according to local regulations

Ordering Information

Product code - Description	• 1843-2 - Picolo HD 3G DVI
Included accessories	• 1844 - Picolo HD Y/Pb/Pr/L+R Analog A/V Cable • 1845 - Picolo HD S-Video/CVBS/L+R Analog A/V Cable • 1846 - Picolo HD Watchdog Cable
Optional accessories	• 1844 - Picolo HD Y/Pb/Pr/L+R Analog A/V Cable • 1845 - Picolo HD S-Video/CVBS/L+R Analog A/V Cable • 1846 - Picolo HD Watchdog Cable

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