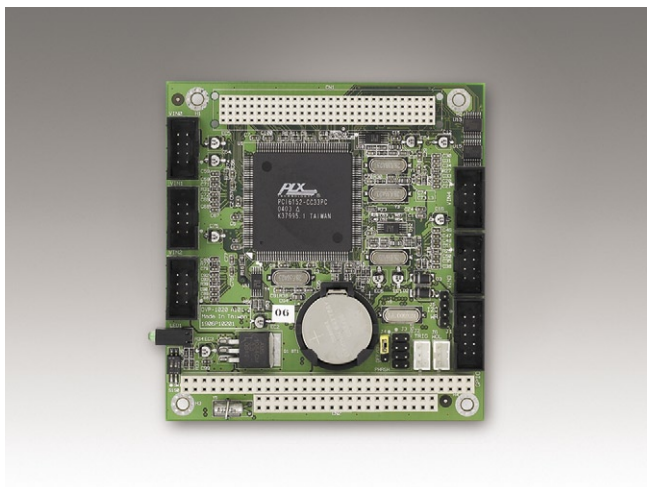


DVP-1020E

4 ~ 16 Channel PC/104-Plus Video Capture Module



Features

- 4 channel composite input, captures up to D1 resolution at 30/25 fps frame rate
- 4 Conexant fusion 878A video capture chips on board
- Built-in 128-byte user programmable EEPROM
- 8-bit TTL/CMOS level digital I/O
- Watchdog timer
- Programmable software protection key

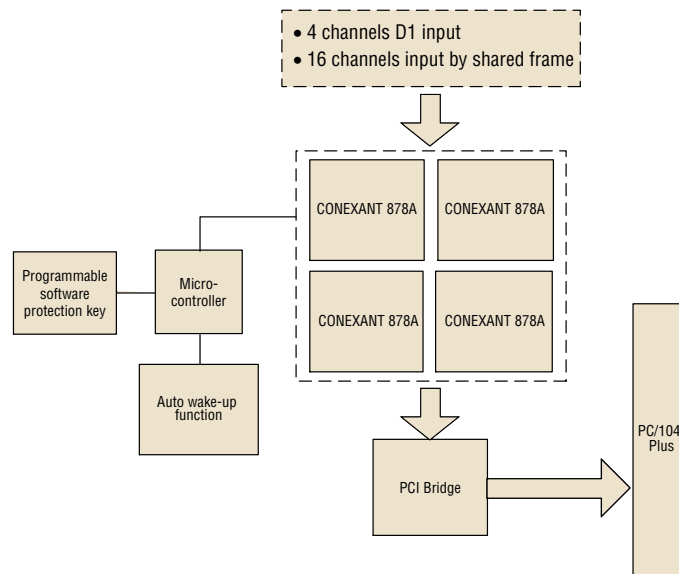
Introduction

DVP-1020E is a 4 ~ 16 channel video input PC/104-Plus video capture module that supports up to D1 resolution with a total frame rate of 120/100 fps. Up to 3 DVP-1020E modules can be installed in one PC. The on-board DIP switch sets a unique card ID that is shown by onboard LEDs. DVP-1020E also has a built-in watchdog timer to reset the system and prevent crashes when an unknown error occurs. DVP-1020E is also designed with a programmable software protection key for anonymous user software copy protection.

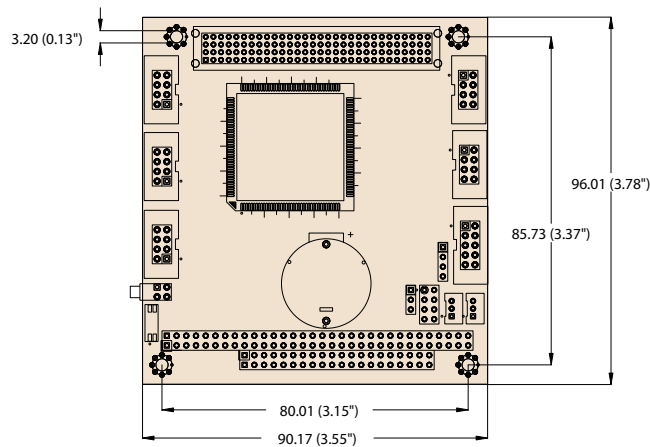
Specifications

Video System	Video Standard	Composite for NTSC/PAL	
	Video Input	16 (BNC connector)	
	Capture Resolution	D1/VGA/QVGA/CIF	
	Selectable Pixel Density	8, 16, 24, and 32 bits per pixel	
	Total Frame Rate	120/100 fps for NTSC/PAL	
	Image Processing	Hardware adjustment of hue, contrast, saturation, and brightness	
	Video Output Format	Multiple YCrCb, RGB and YUV planar formats supported	
Software Development Kit	Operating System	Supports Microsoft Windows® XP and Windows 2000	
	DirectX Required	Version 9 or above	
	Demo Program	Complete demo program with VC++ sample code for reference	
	Program Function	Video capture, video encode and video playback	
Hardware	Host Interface	PC/104-Plus	
	Max. Card	3 modules only set by on-board DIP switch	
	EEPROM	128 bytes for programming	
	GPIO	8-bit TTL/CMOS level 3.3 V DIO	
	Power Consumption	0.8 A @ 5 V from PC/104-Plus	
Environment		Operating	Non-operating
	Temperature	-0 ~ 60° C	-20 ~ 70° C
	Dimensions (W x L)	90.17 x 96.01 mm (3.55" x 3.78")	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable 1 ~ 255 sec.	

Block Diagram



Dimensions



Unit: mm (inch)

Packing List

Part Number	Description	Quantity
9696P10200E	DVP-1020E PC/104-Plus video capture module	X 1
2062102000	Utility CD	X 1
1700000575	Standby power wire	X 1
1703020303	Connection wire for WDT	X 1
1703020303	Connection wire for power switch	X 1
1700000860	Wire for video input	X 4
9696NC2000E	BNC board	X 4

Ordering Information

Part Number	Description
DVP-1020E	4 ~16 Channel PC/104-Plus Video Capture Module