

## 製品概要

## PX40PCB-B



実物とほぼ同じ大きさ

PX40PCBはARM-9汎用マイクロプロセッサ(デュアルコアプロセッサ技術)を採用した強力なDSPプラットフォームで、広範囲のビデオ映像をリアルタイムで改善します。このARM-9は組込みLinuxを搭載し、安定したユーザインタフェースと制御を提供します。

PX40PCBはPixion Imagingの複数の画像処理ファームウェアを搭載し、各種監視、セキュリティー、軍事などの映像処理アプリケーション分野で、製造メーカ、システム・インテグレータにターンキーソリューションを提供します。

## 仕様

<b>Video inputs</b>	
Video In	75 ohm, composite (CVSB, RS-170), 1 V p-p, NTSC or PAL format
BT565 digital video input [1]	(optional, 1.27 mm pin header)
<b>Video outputs</b>	
Video Out	Composite (CVSB, RS-170), 1 V p-p into 75 ohm load, video format same as "Video In" signal
Video Loop-Through	Composite (CVSB, RS-170), 1 V p-p into 75 ohm load, buffered "Video In" signal
<b>Video bypass feature</b>	
Video-signal-processing bypass (solid-state switching), software-controlled or hardware external control (logic-level); default mode on power-down or watchdog failure is bypass	Buffered output; 0.5 ohm maximum series resistance; alternative power input to run bypass and pass-through if main power source fails
<b>Alternate power input</b>	
3.3 to 5.5 VDC, 40 mA maximum	Alternative power input to maintain bypass and loop-through amplifiers if main power source fails
<b>Networking and control ports</b>	
Serial port	Port is RS-232 compatible but utilizes 3.3 V logic voltage levels (level shifter required for true RS-232 operation)
Ethernet	10/100BaseT Ethernet available (adapter board required)
USB	USB1.1 and USB2.0, adapter board required
<b>GPIOs</b>	
Logic-level I/O (programmable as input or output)	6 lines, 1.8 V logic levels, unbuffered (external ESD protection required)
<b>Power requirements</b>	
Supply voltage	5.0 VDC +/- 10% (3.3 VDC optional — see note 2)
Load regulation	± 5%, maximum ripple 50 mV p-p, transient response 2 ms for 50% load change
Line regulation	± 5%
Supply current	0.5 A maximum (at 5.0 VDC)

Environmental	
Ambient temperature range, operating [3]	-40 to 85 °C
Ambient temperature range, storage	-60 to 125 °C
Humidity	3% – 90%, non-condensing
Altitude, convection cooling	4,500 m
Altitude, forced-air cooling	12,000 m

Dimensions	
H x W x D (no extension)	50.0 x 76.0 x 7.0 mm
H x W x D (with extension, 90-deg MCX connectors)	50.0 x 88.0 x 11.6 mm
Weight (no extension)	28.8 g
Weight (with extension, 90-deg MCX connectors)	35.4 g

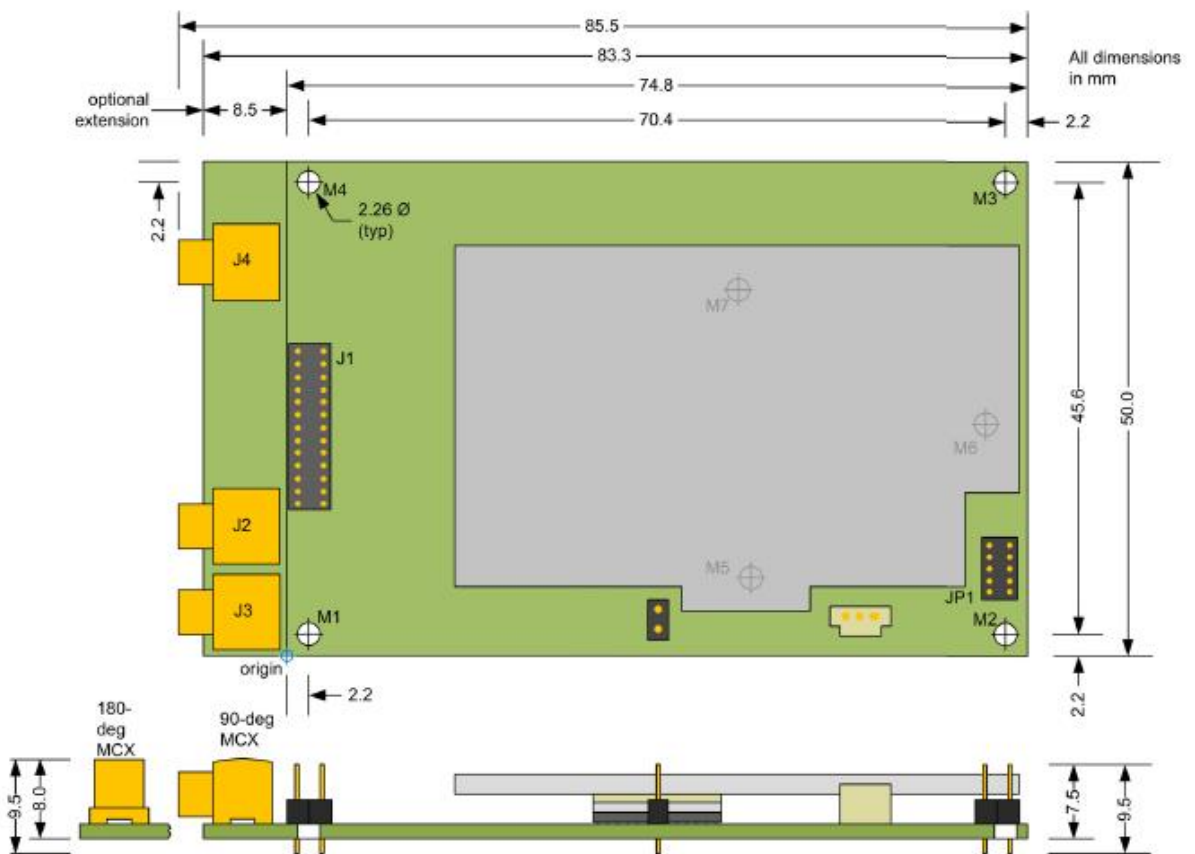
Notes:

[1] PCB-population alternative to composite video input (cannot use both)

[2] PCB-population option

[3] Convection cooling, vertical orientation

## 装置概要図



仕様は予告なく変更することがあります。

最新の仕様情報、その他詳細についてはKenConsultingまでお問い合わせください。

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