

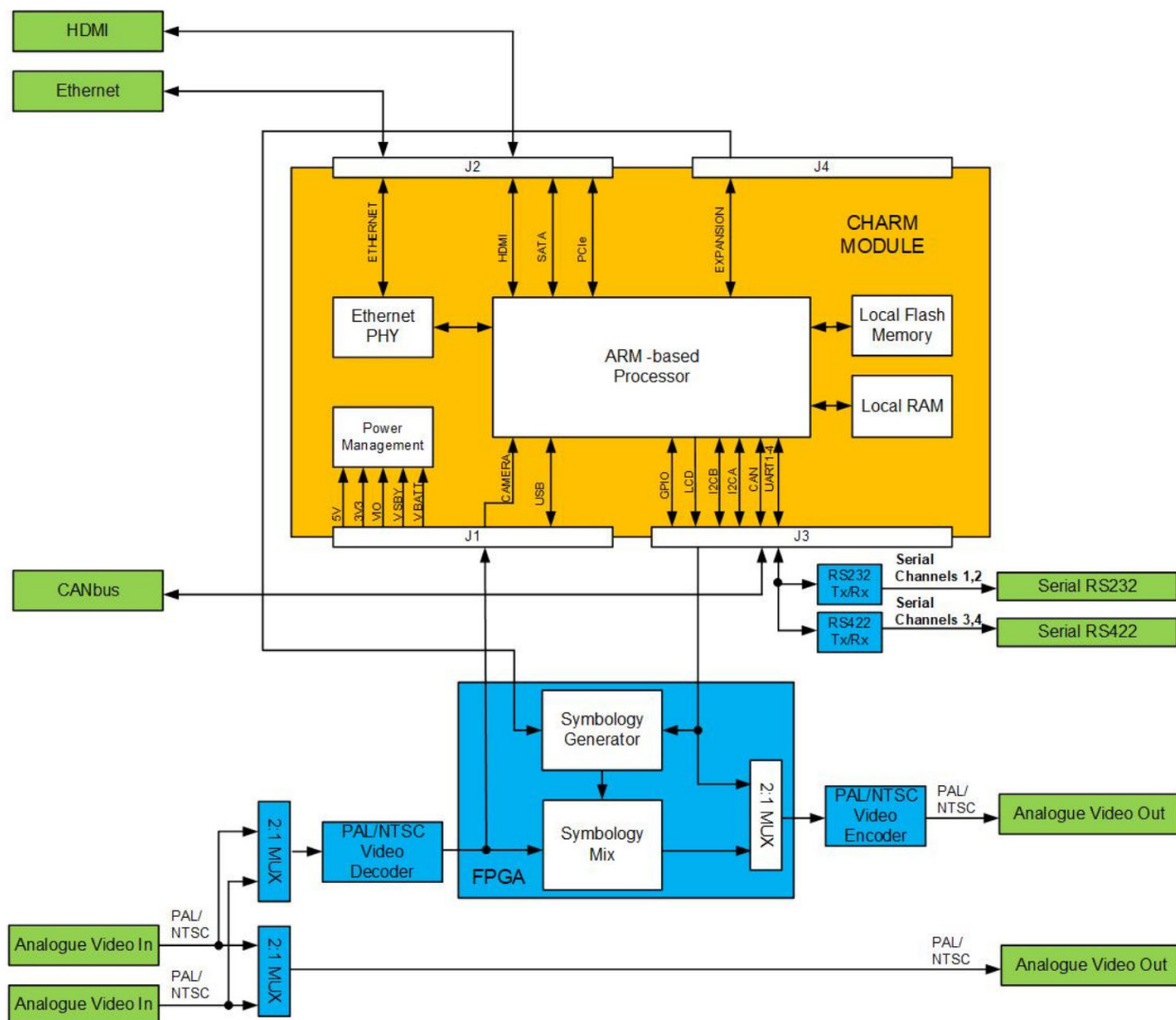


CHARM80

Video Processing Board 77mm x 90mm x 19mm

The Vision4ce CHARM-80 is a standalone video processing board designed for embedded video and image processing applications. It runs and hosts the Vision4ce FrameWorkx image processing software which includes the field proven DART video tracking system. The CHARM-80 is based on an iMX6 embedded multicore ARM processor.

There are two variants of the CHARM. One with PAL/NTSC analogue video interfaces and the second with HD/SD SDI digital video interfaces. The primary host interface is through an Ethernet port. Multiple RS232/422 serial links are also provided.



Video Inputs

- 2x PAL/NTSC Composite (CHARM80)
- 2x HD/SD SDE (CHARM80SDI)
 - o 480i60, 576i50, 720p50/59.94/60, 1080p25/29.97/30, 1080i50/50.94/60

Video Outputs

- 2x PAL/NTSC Composite (CHARM80)
- 2x HD/SD SDE (CHARM80SDI)
- Selectable symbology overlay on outputs

Data Interfaces

- 1 x Ethernet – 10/100/1000 Base-T
- 2x Serial RS232
- 2x Serial RS422

Power

- 5VDC +/-5%
- <8W

Mechanical

- Dimensions 77mm x 90mm x 18mm
- Convection or conduction cooling options

Environmental

- Temperature - Operating -40C to +71C
- Temperature - Non operating -40C to +85C
- Humidity 5% to 95% non-condensing - Optional conformal coating available
- Shock - 30g, 11ms

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