

OASIS-DC1 Instruction Manual Rev.A

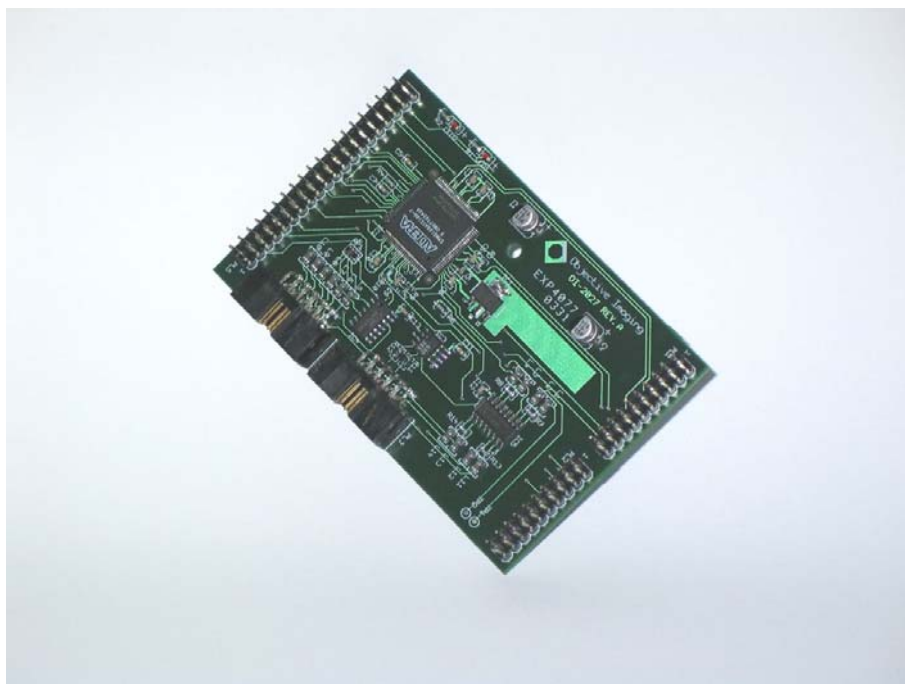


Fig 1.

Introduction

The OASIS-DC1 module is designed to allow the interface of timing signals from certain digital cameras to the OASIS-4i PCI Controller Card. This allows the use of the rapid scanning feature called TurboScan or SyncroscanRT in certain software and also the possibility of providing auto-focus capability with these cameras. A list of suitable cameras is supplied in appendix A.

Installation

Please observe anti-static precautions when handling any electronic components.

The OASIS-DC1 is fitted as a 'daughter' card to the OASIS-4i PCI Controller Card, in place of the OASIS-AF Video Processing / Auto-focus module. To fit the OASIS-DC1 you will need to remove the OASIS-4i from the host PC if already installed, and carefully press fit the OASIS-DC1 on to the three connectors SK2, SK3 and SK4 as shown.

Make sure that the connector pins on the OASIS-DC1 module, line up exactly with the mating sockets on the OASIS-4i card. There should be no pins visible when the module is correctly installed.

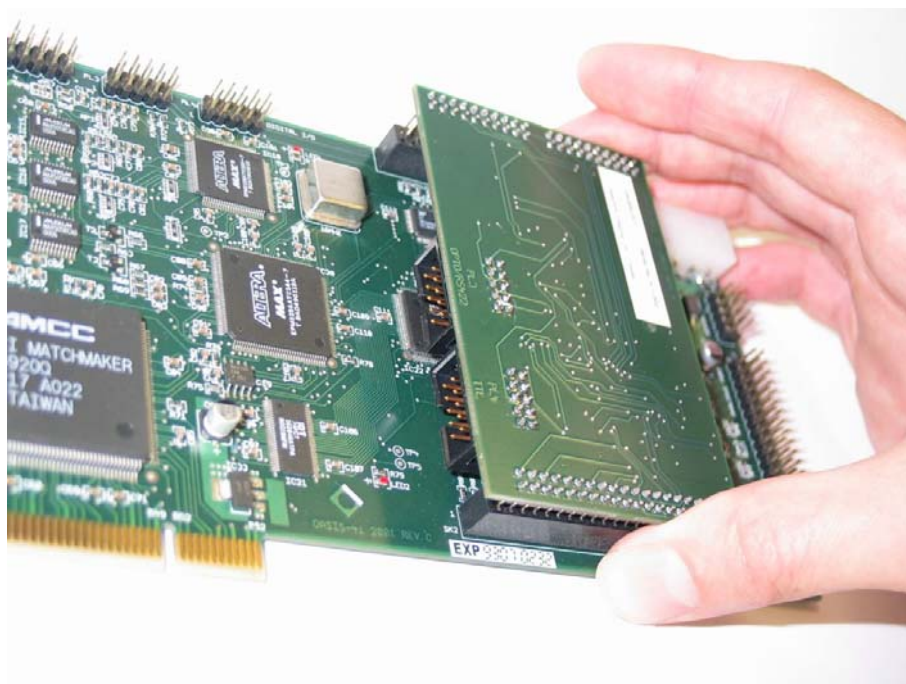


Fig 2.

Attach the supplied 9-way ribbon cable to the appropriate connector on the OASIS-DC1 module, either PL3 for opto-isolated or RS422 signals, or PL4 for TTL compatible signals. If you have ordered this product to suit a particular camera, then the ribbon cable should be marked with the correct connector name. Re-install the OASIS-4i and DC1 in the PC and fix the other end of the ribbon cable to a spare PC cover-slot or chassis cut-out, as necessary. Reconnect any cables associated with the OASIS-4i and finally connect the timing signals from the camera to the OASIS-DC1 via the cable supplied. This cable should be clearly marked to indicate where on the camera it should be attached.

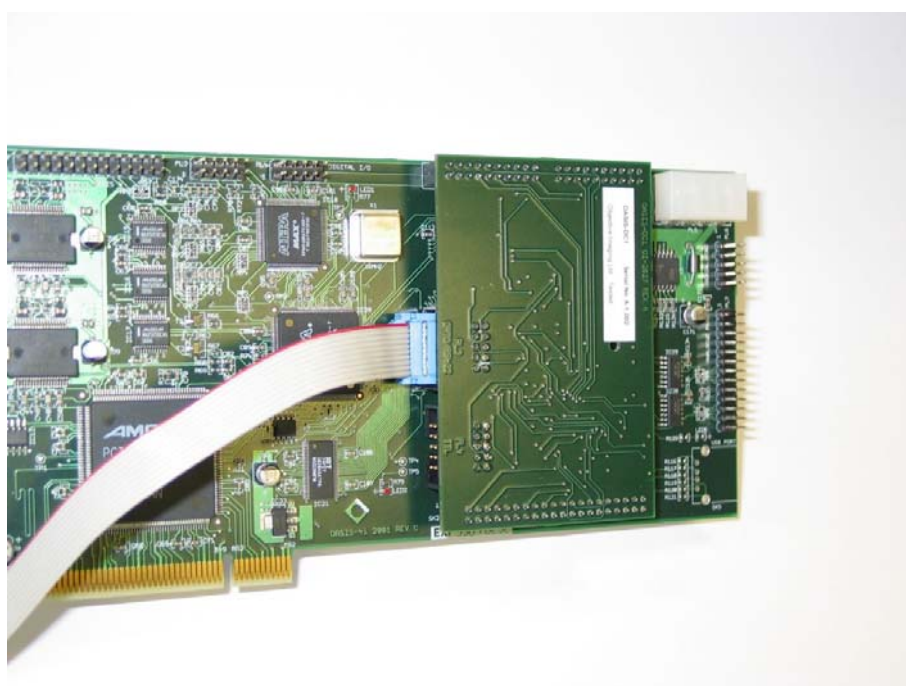


Fig 3.

Configuration

The DSP code stored in the OASIS-4i must be updated to control the OASIS-DC1 module Contact Objective Imaging if in doubt as to which version of DSP code is compatible. At present the only compatible version is Y2.37b. (The DSP version number can be found on the opening page of the OASIS.exe utility program, next to 'Firmware Version').

Operation

The OASIS-DC1 is controlled via the application software. Please refer to the relevant application guide for any necessary setting information.

Appendix A

Supported cameras:-

JVC KY-F1030 (Video output via analog output or Firewire)

Appendix B

Connector pin-out information.

PL3 (Opto/RS422)	Function	Pin no. at 9-way D-type via ribbon cable
Pin 1	RS422 A+	1
Pin 2	RS422 A-	6
Pin 3	RS422 C+	2
Pin 4	RS422 C-	7
Pin 5	Opto Inp.1+	3
Pin 6	Opto Inp.1-	8
Pin 7	Opto Inp.2+	4
Pin 8	Opto Inp.2-	9
Pin 9	Ground	5

<u>PL4 (TTL/RS422)</u>	<u>Function</u>	<u>Pin no. at 9-way D-type via ribbon cable</u>
Pin 1	TTL Input 1	1
Pin 2	TTL Input 2	6
Pin 3	TTL Input 3	2
Pin 4	TTL Input 4	7
Pin 5	RS422 B+	3
Pin 6	TTL Output 1	8
Pin 7	RS422 B-	4
Pin 8	TTL Output 2	9
Pin 9	Ground	5



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