Instruction Leaflet

# I/O cables

V4.1.0 2015 November 13 Part ID: 9474

Allied Vision I/O cables are manufactured in accordance with the CE standard 2004/108/EC and its underlying directions.

## RoHS

Allied Vision I/O cables comply with the requirements of the EU directive 2011/65/EU (RoHS).

We declare, under our sole responsibility, that the described Allied Vision I/O cables conform to the directives of UL20276.

## Contacting Allied Vision

**Ordering and general information:**
*https://www.alliedvision.com/en/contact*
*info@alliedvision.com*

**Telephone**
**EMEA**: +49 36428-677-0
**The Americas**: +1 978-225-2030
**Asia-Pacific**: +65 6634-9027
**China**: +86 (21) 64861133

**Support:**
*support@alliedvision.com*

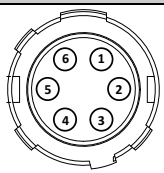
## Trigger cable configuration

| Part number | Legacy Part number | Camera connection | Pins | Peripherals connection | Length [m] |
|---|---|---|---|---|---|
| 9436 | - | Hirose female | 6 | Open end | 2.0 |
| 9437 | - | Hirose female | 6 | Open end | 5.0 |
| 9438 | - | Hirose female | 6 | Open end | 10.0 |
| K1200196 | - | Hirose female | 8 | Open end | 2.0 |
| K1200197 | - | Hirose female | 8 | Open end | 5.0 |
| 2814 | K1200191 | Hirose female | 12 | Open end | 2.0 |
| 2815 | K1200292<br>02-6033A<br>02-6031A | Hirose female | 12 | Open end | 3.0 |
| 2817 | K1200193 | Hirose female | 12 | Open end | 5.0 |
| 2818 | K1200194 | Hirose female | 12 | Open end | 10.0 |
| 2814 | K1200191 | Hirose female | 12 | Open end | 2.0 |
| 2789 | 02-6032A | Hirose male | 12 | Open end | 3.0 |
| 2790 | - | Hirose male | 12 | Open end | 5.0 |
| 2791 | - | Hirose male | 12 | Open end | 10.0 |
| K1200301 | - | PicoBlade | 13 | Open end | 3.0 |
| K1200302 | - | PicoBlade | 13 | Open end | 5.0 |
| 2792 | 02-6041A | Mini-D shell | 14 | Open end | 3.0 |
| 2793 | - | Mini-D shell | 14 | Open end | 5.0 |
| 2794 | - | Mini-D shell | 14 | Open end | 1.0 |
| **Trigger cable (only connected to Trigger IN 1)** | | | | | |
| K1200229 | - | Hirose female | 8 | Open end | 1.0 |
| K1200267 | - | Hirose female | 12 | BNC | 2.0 |
| K1200252 | - | Hirose female | 12 | BNC | 5.0 |
| K1200240 | - | Hirose female | 12 | Open end | 2.0 |
| K1200244 | - | Hirose female | 12 | Open end | 10.0 |

## I/O connector pin assignment

### 6-pin I/O connector

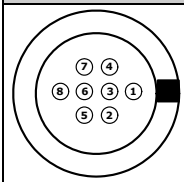
Mako U




| Type HR10A-7P-6S | Pin | Color |
|---|---|---|
| | 1 | Brown |
| | 2 | White |
| | 3 | Yellow |
| | 4 | Green |
| | 5 | Gray |
| | 6 | Pink |

### 8-pin I/O connector

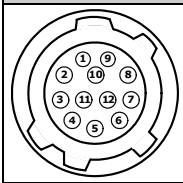
Guppy, Mako G




| Type HR25A-7TP-8S | Pin | Color |
|---|---|---|
| | 1 | Yellow dot Red |
| | 2 | Yellow dot Black |
| | 3 | Grey dot Red |
| | 4 | Grey dot Black |
| | 5 | Pink dot Black |
| | 6 | Pink dot Red |
| | 7 | Orange dot Black |
| | 8 | Orange dot Red |

### 12-pin I/O connector

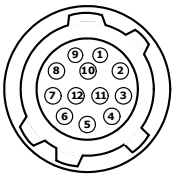
Goldeye G, Guppy PRO, Manta PoE, Marlin, Oscar, Prosilica GC / GT / GX




| Type HR10A-10P-12S | Pin | Color | Pin | Color |
|---|---|---|---|---|
| | 1 | Blue | 7 | Brown |
| | 2 | Red | 8 | White |
| | 3 | Pink | 9 | Black |
| | 4 | Grey | 10 | Orange |
| | 5 | Yellow | 11 | White/Black |
| | 6 | Green | 12 | White/Brown |

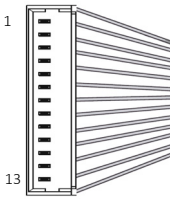
### Hirose 12-pin I/O connector

Prosilica GE

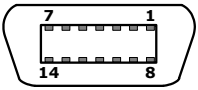



| Type HR10A-10P-12P | Pin | Color | Pin | Color |
|---|---|---|---|---|
| | 1 | Blue | 7 | Brown |
| | 2 | Red | 8 | White |
| | 3 | Pink | 9 | Black |
| | 4 | Grey | 10 | Orange |
| | 5 | Yellow | 11 | White/Black |
| | 6 | Green | 12 | White/Brown |

**13-pin Molex PicoBlade I/O connector**
Manta / Stingray board level cameras

| Type Molex Picoblade | Pin | Color |
|---|---|---|
|   | 1 | Blue |
| | 2 | Red |
| | 3 | White/Black |
| | 4 | Grey |
| | 5 | Yellow |
| | 6 | Green |
| | 7 | Brown |
| | 8 | White |
| | 9 | Black |
| | 10 | Orange |
| | 11 | White/Brown |
| | 12 | Violet |
| | 13 | Shield-Transparent |

**14-pin Mini-D I/O connector**
Prosilica GB / GS

| Type Mini-D | Pin | Color |
|---|---|---|
|   | 1 | Red |
| | 2 | Black |
| | 3 | White |
| | 4 | Brown |
| | 5 | Green |
| | 6 | Blue |
| | 7 | Orange |
| | 8 | - |
| | 9 | - |
| | 10 | Yellow |
| | 11 | White/ Brown |
| | 12 | Pink |
| | 13 | White/Black |
| | 14 | Grey |

## Note

For technical details of input ranges, see the technical manuals and the I/O cable data sheets.

## Additional information

For additional technical information, such as technical manuals, see:

*https://www.alliedvision.com/en/support/technical-documentation*

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