**xiD[cooled]** - series camera specification

**xiD[cooled]** is an USB3.0 camera family using the most recent CCD sensors for challenging scientific purposes with outstanding features:

- TEC peltier cooled housing. Allows significantly diminished dark current values (DSNU)
- highest level of sensitivity
- clear 14 bits/pixel images in all modes
- ultra-low read-out noise, even in low-light conditions with long exposure times
- high resolution without cut-backs on the acquisition speed
- partial readout and several binning modes with enhanced sensitivity and highest frame rates

**Sensors and models:**

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<tr>
<td>MD028xC-SY</td>
<td>SONY ICX674</td>
<td>1934 x 1456, 2.8 MP*</td>
<td>4.54</td>
<td>8,10,12,14</td>
<td>71.1</td>
<td>20000</td>
<td>8.8 x 6.6</td>
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<td>10000</td>
<td>13.2 x 8.8</td>
<td>15.8</td>
<td>15.3</td>
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Note 1: various models available: x = C color, M mono  
Note 2: 26 MHz readout frequency  
Note 3: 52 MHz, 4 taps, RAW14 bits; + 20% in overclocked mode, 12bit packed

- Sony “Exview HAD CCD II” pixel technology with improved light efficiency for the near-infrared spectrum
- XIMEA’s proprietary CLEANPATH - readout and sensor driving circuitry, enabling scientific imaging with extremely low readout noise and high fidelity in color reproduction.
- Global shutter CCD with interline transfer - 1, 2 or 4 tap readout with 14 bit ADC
- No selected grades - all cameras are scientific grade

**Compatibility:**

Standard Windows, Linux & MacOS operation systems ● USB3.0 ● GenICam / GenTL ● Single SDK/API for all XIMEA camera models. Compatible with the widest range of vision libraries. Please check website for up-to-date list!

**What is xiLab?**

Anything displayed with the reference „xiLab“ or in our xiLab space in our booth refers therefore to technologies and prototypes that are developed and functional, but where XIMEA does not commit on release, time lines or final appearance.

We are keen to learn the markets reaction to items displayed or exposed under this label.

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Please visit [ximea.com](http://ximea.com) for complete product information.  
E-mail our sales team at sales@ximea.com for your price and further information.