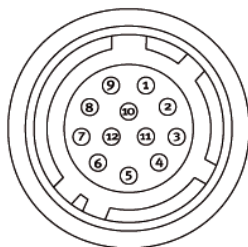
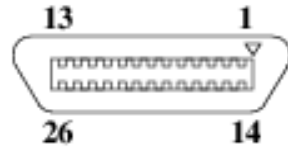
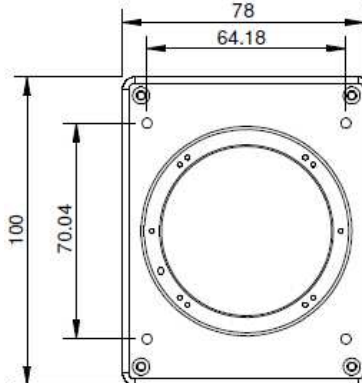
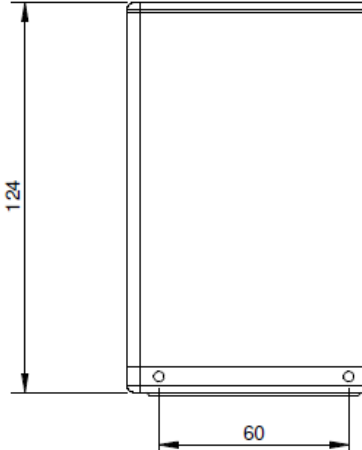
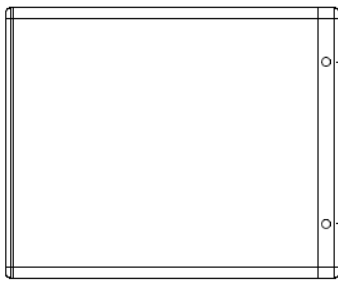
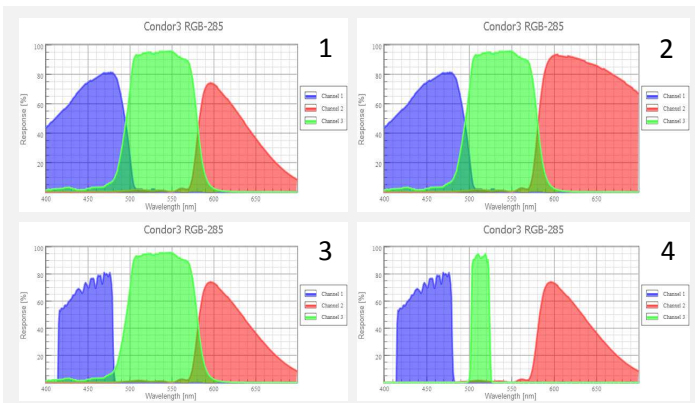




Specifications		Connector	Dimensions																																																																																													
Sensor	ICX 285	<p>DC-In / Trigger</p>  <p>Hirose HR10A-10P-12S</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Function</th> </tr> </thead> <tbody> <tr><td>1</td><td>GND</td><td>GROUND</td></tr> <tr><td>2</td><td>Vin</td><td>+15-24V</td></tr> <tr><td>3</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>4</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>5</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>6</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>7</td><td>Trigger in</td><td>Input trigger</td></tr> <tr><td>8</td><td>Trigger out</td><td>Output trigger</td></tr> <tr><td>9</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>10</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>11</td><td>DNC</td><td>Do not connect</td></tr> <tr><td>12</td><td>DNC</td><td>Do not connect</td></tr> </tbody> </table> <p>Camera Link Interface 26 pin MDR connector 3M 10226-1A10JL</p>  <table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</th> <th>Function</th> </tr> </thead> <tbody> <tr><td>1</td><td>14</td><td>GND</td></tr> <tr><td>2</td><td>15</td><td>X0-/X0+</td><td>CL Data</td></tr> <tr><td>3</td><td>16</td><td>X1-/X1+</td><td>CL Data</td></tr> <tr><td>4</td><td>17</td><td>X2-/X2+</td><td>CL Data</td></tr> <tr><td>5</td><td>18</td><td>Xclk-/Xclk+</td><td>CL Clk</td></tr> <tr><td>6</td><td>19</td><td>X3-/X3+</td><td>CL Data</td></tr> <tr><td>7</td><td>20</td><td>Ser TC-/Ser TC-</td><td>Serial in</td></tr> <tr><td>8</td><td>21</td><td>Ser TFG-/Ser TFG+</td><td>Serial out</td></tr> <tr><td>9</td><td>22</td><td>CC1-/CC1+</td><td></td></tr> <tr><td>10</td><td>23</td><td>CC2-/CC2-</td><td>Not Used</td></tr> <tr><td>11</td><td>24</td><td>CC3-/CC3+</td><td>Not Used</td></tr> <tr><td>12</td><td>25</td><td>CC4-/CC4-</td><td>Not Used</td></tr> <tr><td>13</td><td>26</td><td>GND</td><td></td></tr> </tbody> </table>	Pin	Signal	Function	1	GND	GROUND	2	Vin	+15-24V	3	DNC	Do not connect	4	DNC	Do not connect	5	DNC	Do not connect	6	DNC	Do not connect	7	Trigger in	Input trigger	8	Trigger out	Output trigger	9	DNC	Do not connect	10	DNC	Do not connect	11	DNC	Do not connect	12	DNC	Do not connect	Pin	Signal	Function	1	14	GND	2	15	X0-/X0+	CL Data	3	16	X1-/X1+	CL Data	4	17	X2-/X2+	CL Data	5	18	Xclk-/Xclk+	CL Clk	6	19	X3-/X3+	CL Data	7	20	Ser TC-/Ser TC-	Serial in	8	21	Ser TFG-/Ser TFG+	Serial out	9	22	CC1-/CC1+		10	23	CC2-/CC2-	Not Used	11	24	CC3-/CC3+	Not Used	12	25	CC4-/CC4-	Not Used	13	26	GND		  
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Active area	2/3" sensor 10.2 mm(H) x8.3 mm (V)																																																																																															
Pixel size	6.45µm																																																																																															
Pixel clock	20 MHz																																																																																															
Active pixels	1360 x 1024																																																																																															
Frame rate	15 Fps full resolution																																																																																															
Channels	Channel 1: 400 – 500 nm Channel 2: 500 – 590 nm Channel 3: 590 – 670 nm																																																																																															
Alignment accuracy	Mechanically better than 1/4 th of a pixel																																																																																															
Dynamic range	>56 dB																																																																																															
Bit depths	8 bit 3 channel, 12 bit 3 channel																																																																																															
Gain	0 to 36 dB analog gain																																																																																															
Video output	Camera Link Base / GigE Vision																																																																																															
Trigger modes	Internal and external source (on CameraLink and Hirose connectors)																																																																																															
Synchronization	All sensor clocks synchronized. Smart trigger unit for advanced trigger schemes																																																																																															
Electronic shutter	Synchronized exposure with channel independent duration. (1 µs to 1s)																																																																																															
Control interface	All commands through Camera Link serial interface																																																																																															
Lookup tables	Lookup tables available in 8bit mode, full access to table entries. Table data programmed in flash memory (on request)																																																																																															
External control capability *)Selectable per channel	Gain*, exposure*, lookup tables*, region of interest, image bit depth, trigger source																																																																																															
Weight	785 grams excluding lens																																																																																															
Dimensions	100 x 78 x 124 mm																																																																																															
Lens mount options	F-Mount or M42 custom lens																																																																																															
Operating temperature	-20 - +50 °C																																																																																															
Regulations	CE (EN 61000-6-2 EN 61000-6-3), FCC Part 15 class B, RoHS/WEE																																																																																															
Back focal length	≥ 46.50 mm in air																																																																																															
Power	18-24V DC +/-10%, 9W																																																																																															
Humidity	20-90% Non condensing																																																																																															



Examples

1. Original prism dichroic coating
2. No IR cutoff filter in channel 3
3. Optional narrow band filter in channel 1
4. Optional narrow band filter in channel 1 and 2

Filters can be customized on user requirements