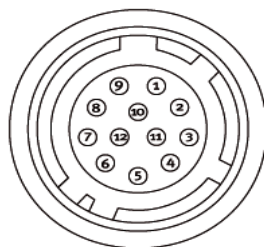
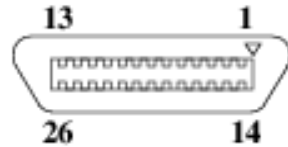
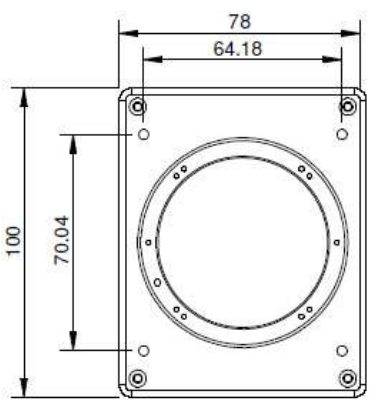
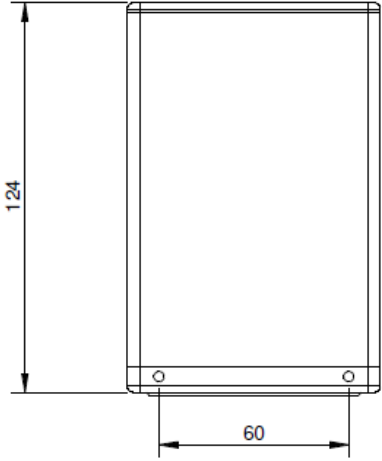
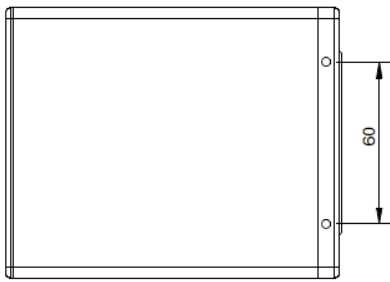
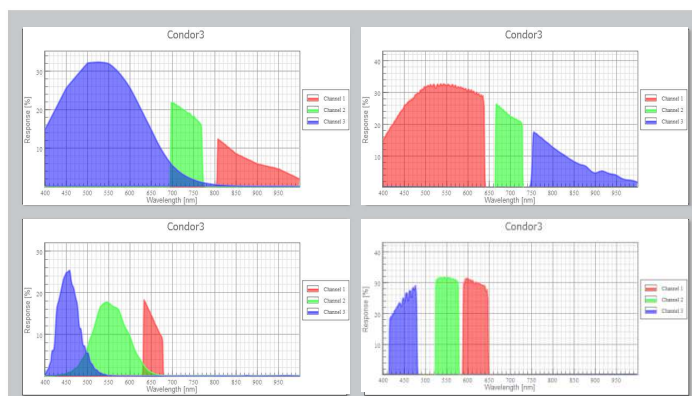




Specifications		Connector	Dimensions																																																																																										
Sensor	ICX 285	<p style="text-align: center;">DC-In / Trigger</p>  <p style="text-align: center;">Hirose HR10A-10P-12S</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Signal</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 style="text-align: center;">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 rowspan="3">Not Used</td></tr> <tr><td>10</td><td>23</td><td>CC2-/CC2+</td></tr> <tr><td>11</td><td>24</td><td>CC3-/CC3+</td></tr> <tr><td>12</td><td>25</td><td>CC4-/CC4+</td><td rowspan="2">Not Used</td></tr> <tr><td>13</td><td>26</td><td>GND</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+	Not Used	10	23	CC2-/CC2+	11	24	CC3-/CC3+	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	28 MHz																																																																																												
Active pixels	1360 x 1024																																																																																												
Frame rate	15 Fps full resolution																																																																																												
Channels	Channel 1: Custom filter Channel 2: Custom filter Channel 3: Custom filter																																																																																												
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 Camera Link and Hirose connectors)																																																																																												
Synchronization	All sensors 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 CameraLink 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

The Condor BS30 splits the incoming light (400 to 1000 nm) evenly over the 3 sensors at 1/3th of the total intensity for each sensor.

Consequently each light bundle can be filtered according to your specifications with filters customized on your requirements.

Several examples are shown here.