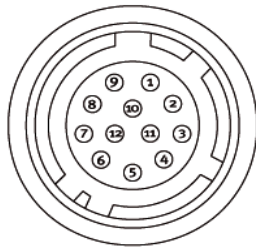
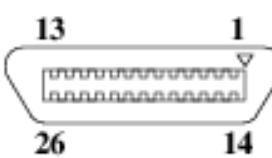
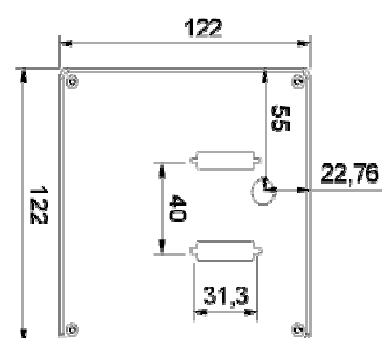
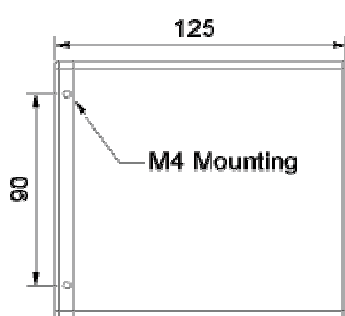
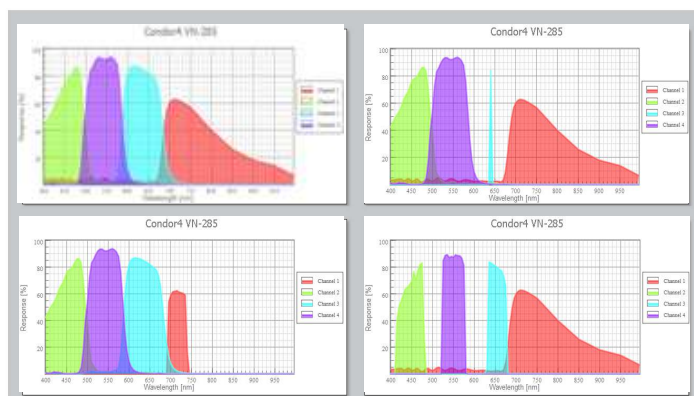




Specifications		Connector	Dimensions																																																																																	
Sensor	ICX 285																																																																																			
Active area	2/3" sensor 10.2 mm(H) x8.3 mm (V)																																																																																			
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 Channel 4: 670 –1000 nm																																																																																			
Alignment accuracy	Mechanically better than 1/4 <sup>th</sup> of a pixel																																																																																			
Dynamic range	>56 dB																																																																																			
Bit depths	8 bit 4 channel, 12 bit 4 channel																																																																																			
Gain	0 to 36 dB analog gain																																																																																			
Video output	CameraLink Base / GigE Vision																																																																																			
Trigger modes	Internal and external source (on Camera Link and Hirose connectors)																																																																																			
Synchronization	All Sensors clock 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	1485 grams excluding lens																																																																																			
Dimensions	122 x 122 x 125 mm																																																																																			
Lens mount options	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	≥ 59 mm in air																																																																																			
Power	18-24V DC +/-10%, 12W																																																																																			
Humidity	20-90% Non condensing																																																																																			
		<p><b>DC-In / Trigger</b></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><b>Camera Link Interface</b> 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 14</td><td>GND</td><td></td></tr> <tr><td>2 15</td><td>X0-/X0+</td><td>CL Data</td></tr> <tr><td>3 16</td><td>X1-/X1+</td><td>CL Data</td></tr> <tr><td>4 17</td><td>X2-/X2+</td><td>CL Data</td></tr> <tr><td>5 18</td><td>Xclk-/Xclk+</td><td>CL Clk</td></tr> <tr><td>6 19</td><td>X3-/X3+</td><td>CL Data</td></tr> <tr><td>7 20</td><td>Ser TC+/Ser TC-</td><td>Serial in</td></tr> <tr><td>8 21</td><td>Ser TFG+/Ser TFG-</td><td>Serial out</td></tr> <tr><td>9 22</td><td>CC1-/CC1+</td><td></td></tr> <tr><td>10 23</td><td>CC2-/CC2+</td><td>Not Used</td></tr> <tr><td>11 24</td><td>CC3-/CC3+</td><td>Not Used</td></tr> <tr><td>12 25</td><td>CC4-/CC4+</td><td>Not Used</td></tr> <tr><td>13 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		 <p>Back view. All dimensions in mm</p>  <p>Side view. All dimensions in mm</p>
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## Examples

1. Original prism dichroic coating
2. Optional narrow band filter in channel 3
3. Optional narrow band filter in channel 4
4. Optional narrow band filter in channel 1, 2 and 3

Filters can be customized on user requirements