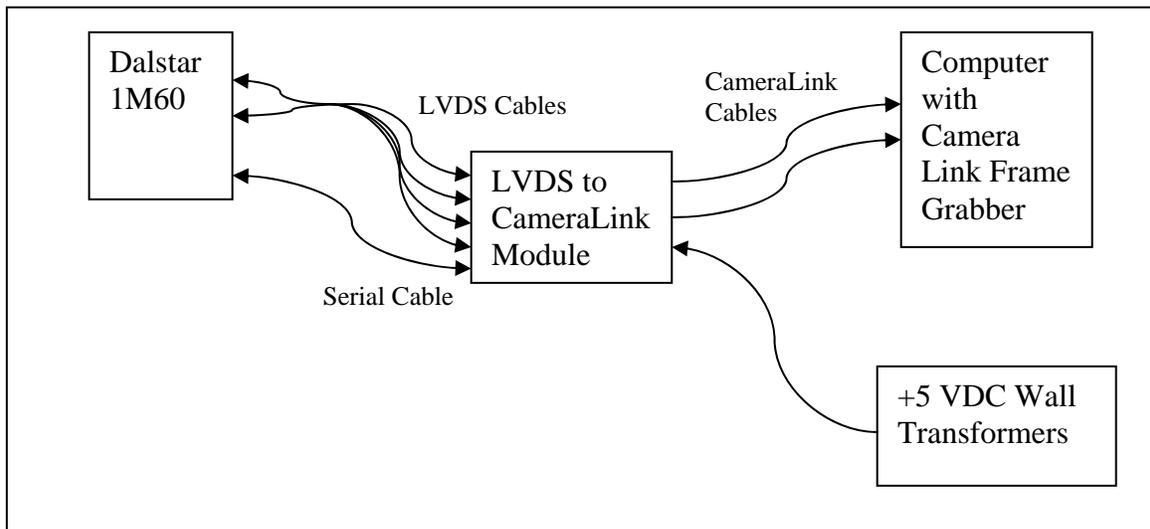


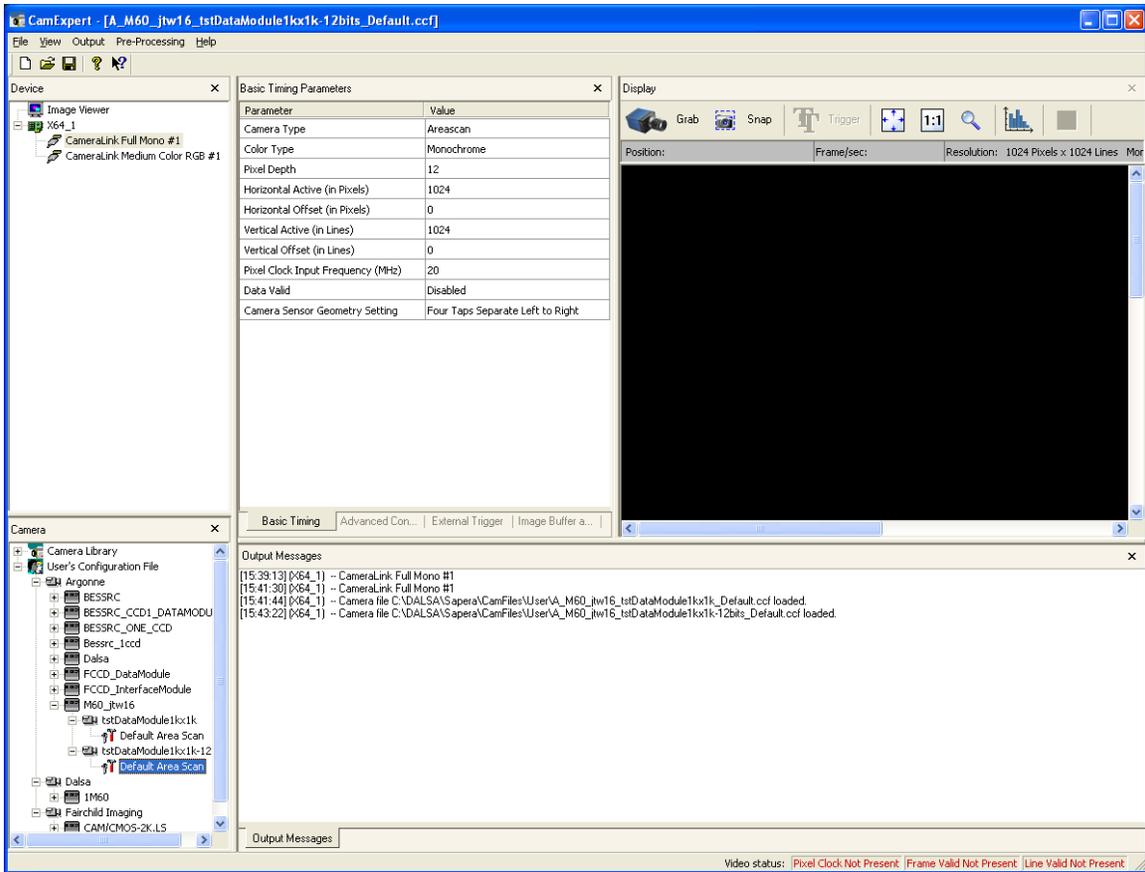
LVDS to Camera Link Module Quick Guide
By: John Weizeorick
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The **LVDS to Camera Link Module** is designed to take the LVDS outputs from the DALSTAR 1M60 camera and convert them into a Camera Link interface.

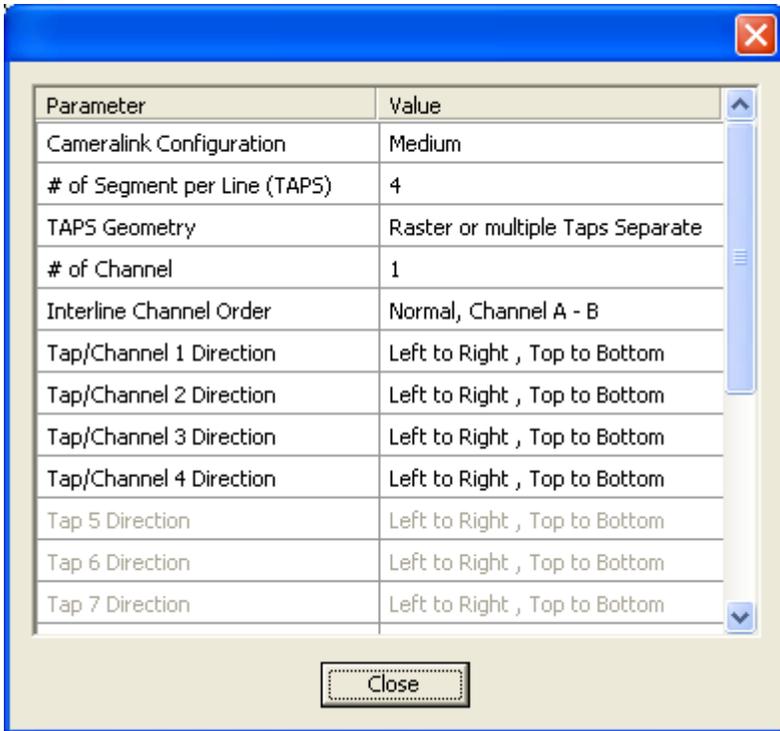
At one end of the module there are the four LVDS SCCI type connectors and an RJ11 serial connector. These connect to the end of the DALSTAR 1M60 cable. This cable was originally designed to plug into an LVDS Frame Grabber. The other end of the LVDS to Camera Link Module has two Camera Link Connectors. Two camera link cables will connect to this end of the module and go to a camera link frame grabber. The figure below shows how to hook up the LVDS to Camera Link Module.



When you first use the LVDS to Camera Link Module with a Coreco frame grabber you will need to use the proper configuration file with Brian Tieman's "CCD Image Server". To generate this configuration file first run "Sapera CamExpert" from Coreco. If you are using the Dalstar 1M60 camera then you should set up a custom configuration with the following parameters.

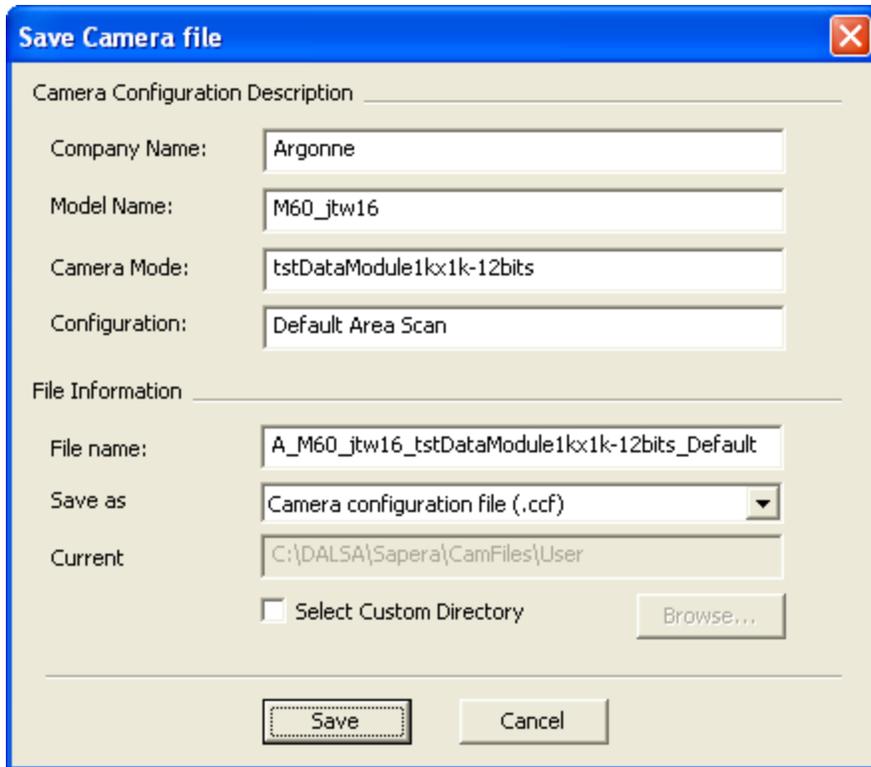


If you click on the “Four Taps Separate Left to Right you can look at how the four taps are arranged in the image If you look at the Custom Configuration Settings by pressing the “Setting” button you will open up the window below.



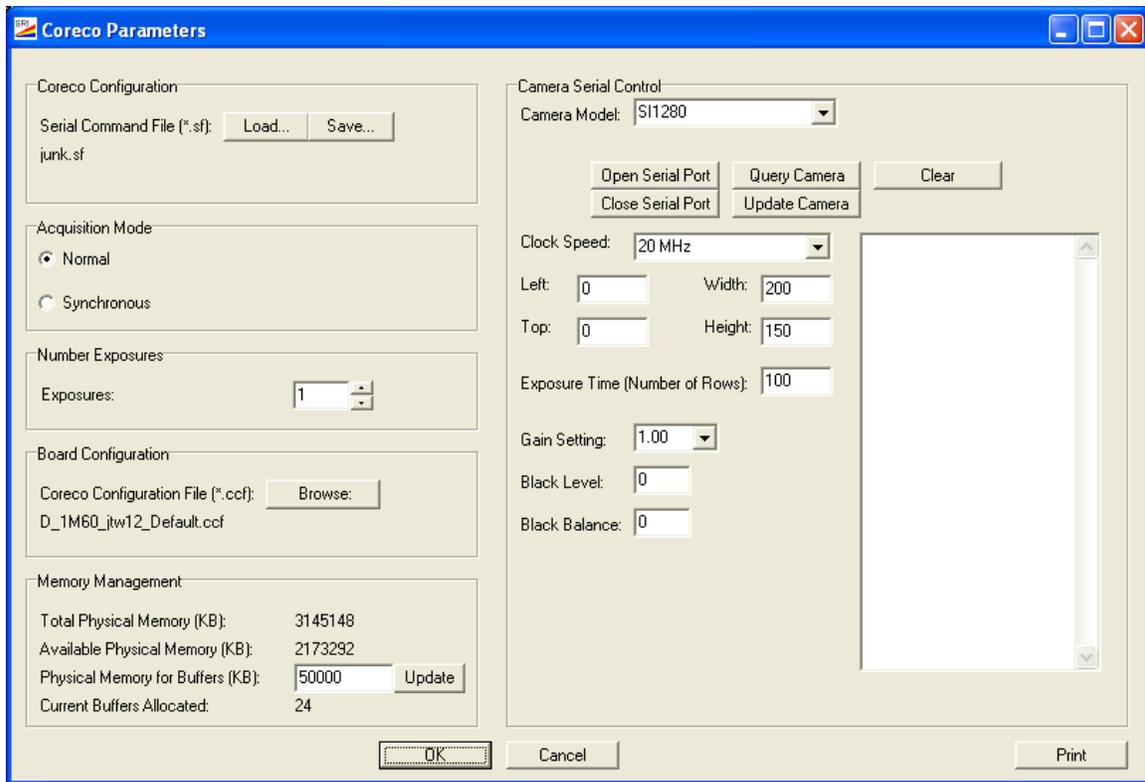
Note that the Cameralink Configuration is set to Medium, which means that it is expecting data from two camera link cables.

Now save the file with the File-SaveAs pull down menu. This will create a .ccf file where you generate the file name by specifying a Company Name, Model Name, etc.



This file will be saved as C:\DALSA\Sapera\CamFiles\User\A_M60_.....cf
Once this file is saved exit CamExpert. To see this new configuration file in the “CCD Image Server” default directory copy the .cf file to:
C:\Program files\ANL\CCDImageServer\Coreco_Configurations*.cf”

When you start up the CCD Image Server select the new .cf configuration by selecting Setup-Acquisition which will open the window below.



Next under “Board Configuration” press “Browse:” Then select the new .ccf file out of the list of .ccf files that appear in the new window.

Note: you should only have to select this configuration file when you change cameras.

Once this is done you are ready to collect images using the Image Server.