Configuration Guide for MARBLE M-VIVID

The purpose of the guide is a top level outline of the steps taken for configuration of a Vision 3 frame system and a MARBLE processor running an M-VIVID application. The detailed information for each step of installation and configuration are available in the manuals for Vision 3 and M-VIVID and can found on the USB drive included in the system packaging.

Vision Frame System

1. Install the Vision 3 frame. Installation information can be found in section 2 (pages 8-15) of the Vision 3 manual.
2. Configure the Vision 3 frame for network connections. This connection will then be used to configure the MARBLE processor and M-VIVID application. Please see Vision 3 manual section 3 (pages 17-18) for network configuration of the frame.
3. Make physical connections on the rear module of the MARBLE-V1 processor running an M-VIVID application.
   For rear modules VR04 and VR07, connect the appropriate signals via BNC for SDI operation and connect up to 4 x 10GbE connections for IP operation.
   For rear module VR06, connect the appropriate signals via BNC for SDI operation and connect up to 2 x 10GbE connections for IP operation.
   These connections are detailed on page 7 of the M-VIVID user manual.

MARBLE-V1 and M-VIVID Application

4. You are now ready to configure the M-VIVID application and the MARBLE-V1 processor. VisionWeb web browser control is recommended for the configuration of the MARBLE-V1 software apps. This is achieved by entering the IP address of the frame into a web browser (10.0.0.201 on Ethernet port 1 of the frame by default). You should now see the Vision 3 home page and all installed boards in the frame. Select the slot of the M-VIVID application to be configured by clicking on it.
5. You will now see the UI for the M-VIVID application. For IP operation, select the ***Ethernet Interfaces*** menu at the bottom of the browser window. You will only need to configure the connections needed for your hardware (the number of SFP+ fitted to your hardware) and the connections required for your application (i.e. are protect signals in/out being used). The instructions for configuring the interfaces are in section 4.1 on page 9 of the M-VIVID manual. This step can be ignored if input and output operation is SDI.
6. Next, configure inputs by selecting the ***Input*** menu on the bottom of the browser window. There are different versions of the M-VIVID application that allow for a different number of Inputs. The UI will show that either 1, 2 or 3 inputs are available for configuration depending on the version running. Specific instructions on configuring input flows are found in section 4.2, 4.3 and 4.4 (pages 10-12) in the M-VIVID manual. For SDI operation, Input configuration is complete once the input is enabled, and protocol is set to SDI.
7. Once the inputs are configured, you can check the input status by going to the Status tab inside the ***Input*** menu. This is highlighted in the manual in section 5.1 on page 14. You should see that configured inputs are present and in the proper format.
8. Outputs are configured next. Select the ***Output*** menu on the bottom of the browser window. Depending on the version of M-VIVID running, there will be 1, 2 or 3 outputs available to configure. IP output configuration is covered in section 4.5 on page 12 of the M-VIVID manual. After outputs are configured, status can be checked in the status tab of this menu. You should see that outputs are present and in the proper format.
9. Output traffic shaping, if required for IP operation, can now be configured. Detailed instructions on traffic shaping can be found in section 8, page 22 of the manual.
10. Referencing and output timing should now be configured. Select the ***References*** menu at the bottom of the browser window. Reference configuration is covered in section 7 of the manual starting on page 18.
11. The MARBLE-V1 processor should now be configured for input/output operation. The desired delay can now be configured. Select the ***Output*** menu at the bottom of the browser window and then the Output enable accordion menu to configure the output delay. Multi-channel versions have multiple outputs to configure. Operation is outlined in section 6 of the M-VIVID manual beginning on page 16.

    Detailed installation and configuration information is provided in the product manuals. For installation and operation questions please email support@crystalvision.tv