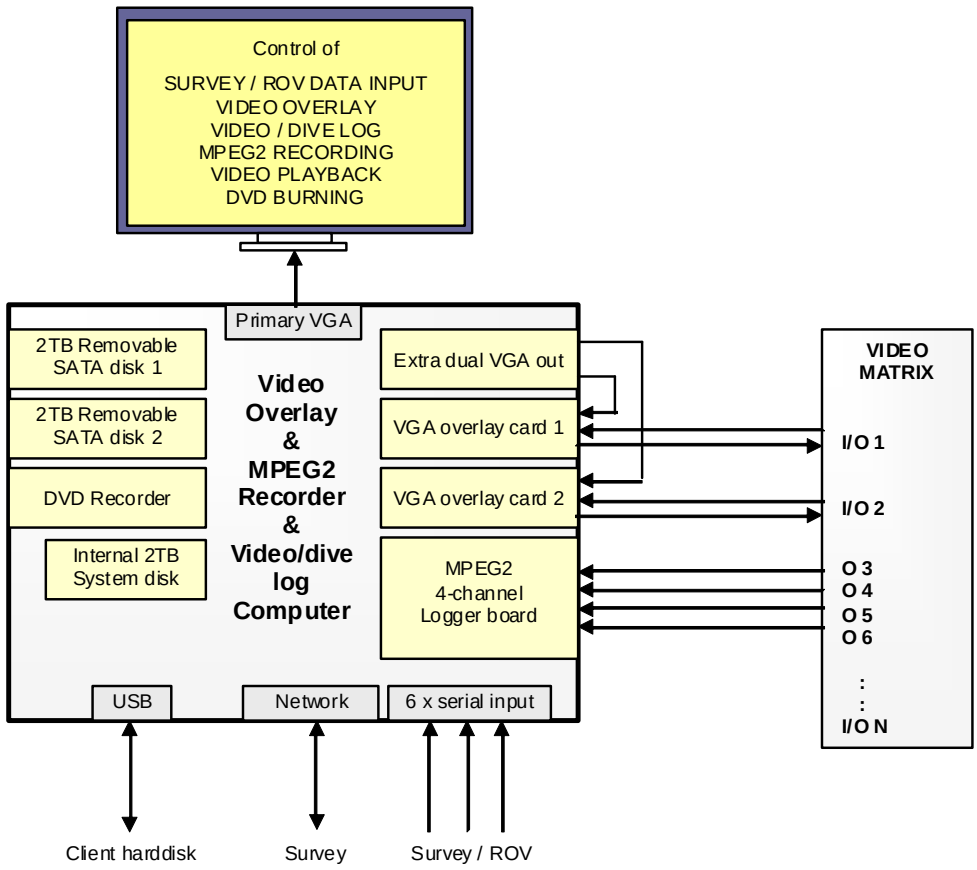
Options Video Logger - Quick Info

For latest software upgrade and documentation
http://www.videologger.no

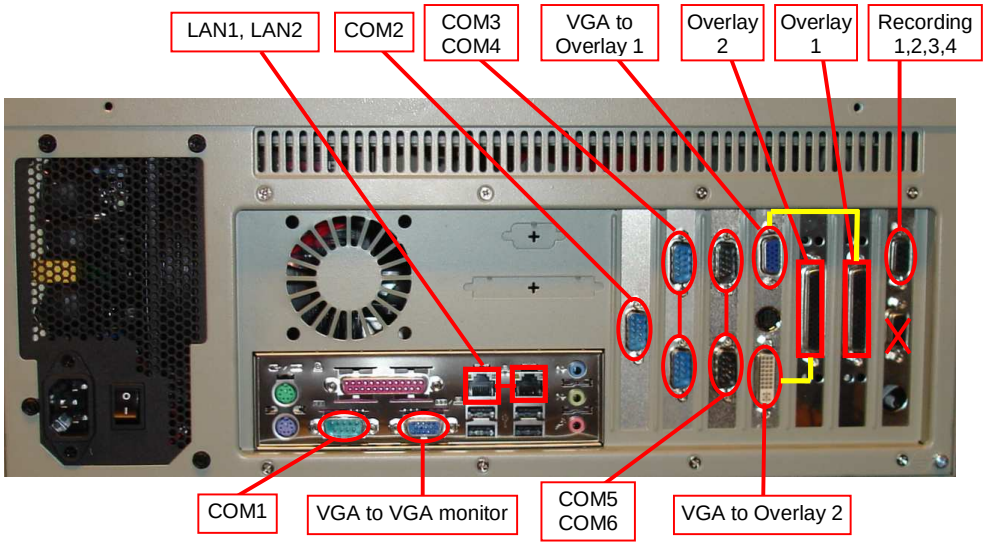
User guide is on disk as PDF file, shortcut on Windows Desktop

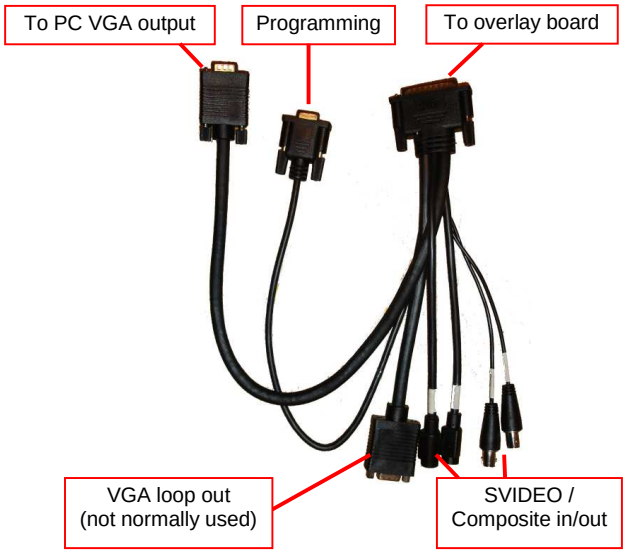
Normal wiring of the computer:

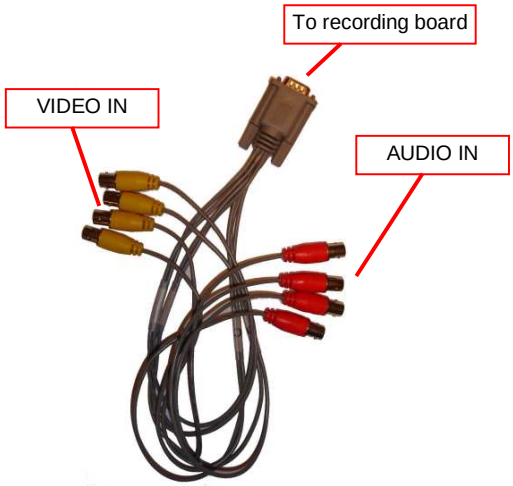
(see also next page and sticker on the cabinet)



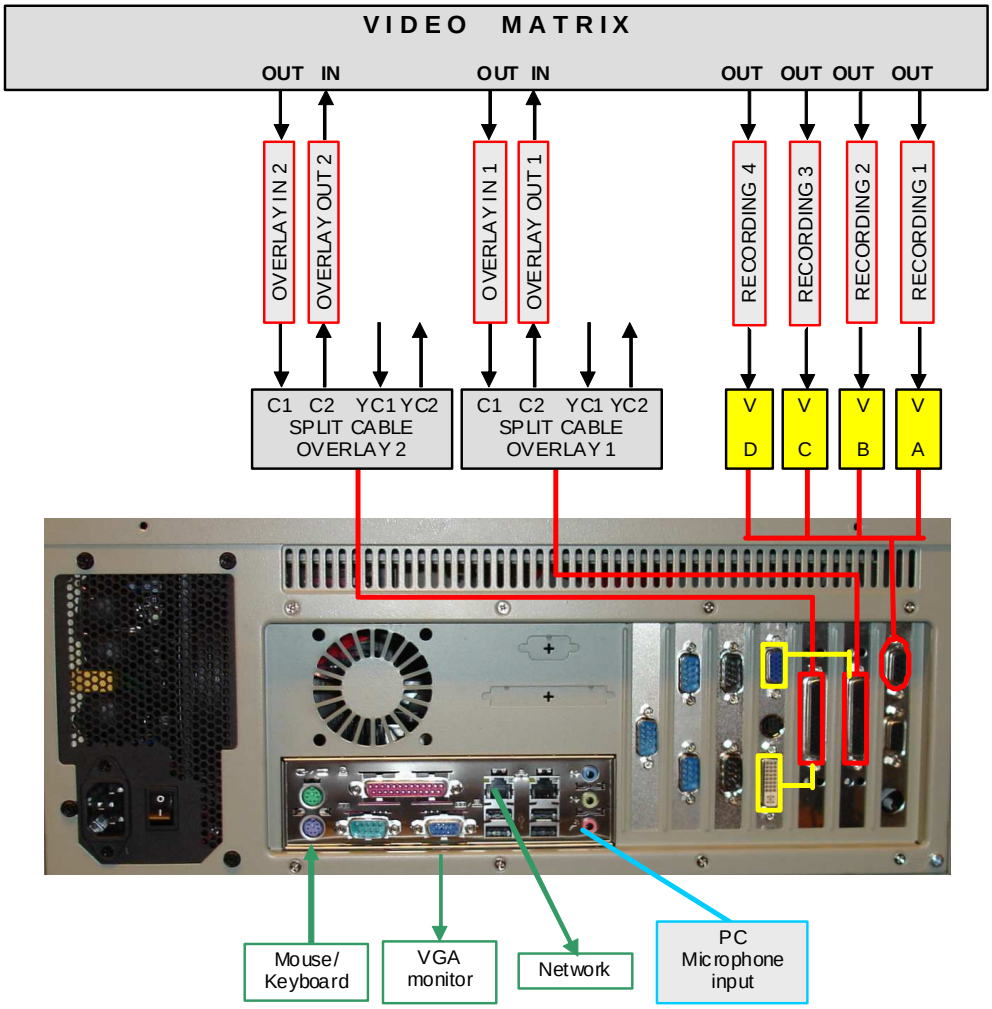
1. Connectors and cables







2. Wiring



3. Wiring – step by step

Overlay boards (two identical boards with big DSUB connector)

1. Connect splitcables to overlay boards
2. Connect the male DB15 on board #1 (rightmost) to upper VGA output as seen on drawing above (yellow marking)
3. Connect the male DB15 on board #2 (leftmost) to lower DVI output as seen on drawing above (yellow marking). Use DVI to VGA adapater.
4. Connect video outputs from videomatrix to Composite IN connectors
5. Connect Composite OUT connectors to videomatrix video inputs.

Video logger board (rightmost board when looking at rear end – 2 x 9pin DSUB female):

6. Connect video output from videomatrix to COMPOSITE inputs A/B/C/D (yellow).
7. If line-level audio is available, connect this to the audio input connector A/B/C/D (red)

PC Microphone:

8. If PC microphone is to be used, connect to lowest connector on the motherboard, pink color

Datasources:

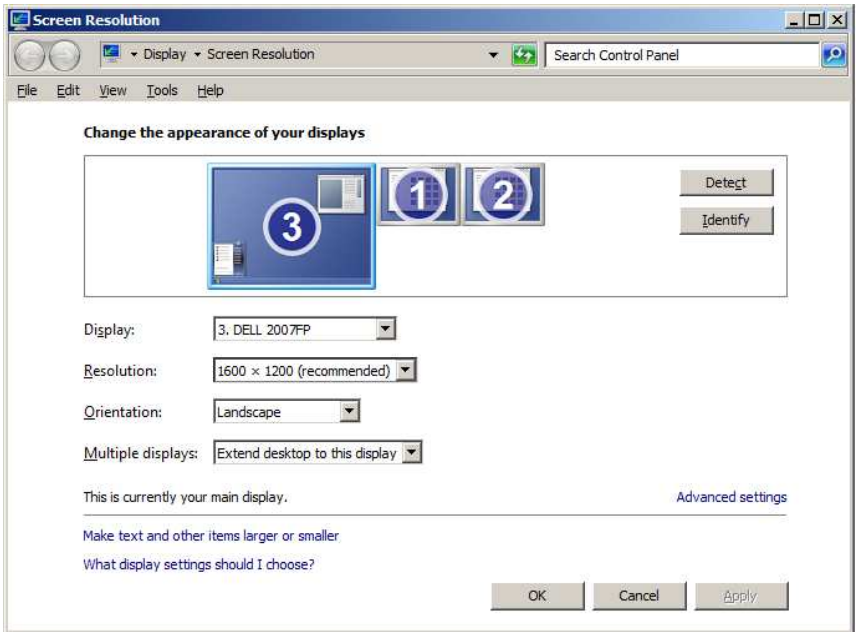
9. Connect serial datasources to any of the available RS232 COM-ports (COM1 .. COM6)

4. Set VGA main monitor resolution

After setting resolution on main VGA monitor, the VIGRA software will need some adjustment.

STEP 1: Check and adjust display settings:

1. Rightclick on desktop and select “Screen resolution”
2. Monitor marked 3 is the main operators monitor. Set to the resolution you want, e.g. 1600 x 1200:



3. Monitor marked 1 and 2 is the output channels used to control overlay. Both these need to be set to 800x600, and refresh rate of 60Hz (To set refresh rate: click Advanced settings, then Monitor tab, and set 60Hz)
   IMPORTANT: Seems like every time you change resolution of main screen, the refresh rate of output 1 and 2 is changed automatically to 70Hz. Result is that overlay info might appear partly shifted off the screen. Fix back to 60Hz to get rid of problem!

STEP 2: Adjust VIGRA settings

1. On Start menu, find “All programs”, “Options Video Graphics”, “VIGRA Config”
2. Verify that “VGA output window size” is set to 800 x 600
3. Adjust Left-coordinate for BOARD #0, set to same as horizontal resolution of main monitor. - see table below!
4. Adjust Left-coordinate for BOARD #1, set to same as horizontal resolution of main monitor PLUSS 800 - see table below!

Main monitor resolution	BOARD #0 = Main horiz resolution + 0	BOARD #1 = Main resolution + 800
1024 x 768	Left = 1024, Top = 0	Left = 1824, Top = 0
1280 x 1024	Left = 1280, Top = 0	Left = 2080, Top = 0
1360 x 768	Left = 1360, Top = 0	Left = 2160, Top = 0
1600 x 1200	Left = 1600, Top = 0	Left = 2400, Top = 0
1920 x 1080	Left = 1920, Top = 0	Left = 2720, Top = 0

STEP 3: Start VIGRA and check operation

1. Start VIGRA
2. Verify correct placement of overlay information ontop of video pictures