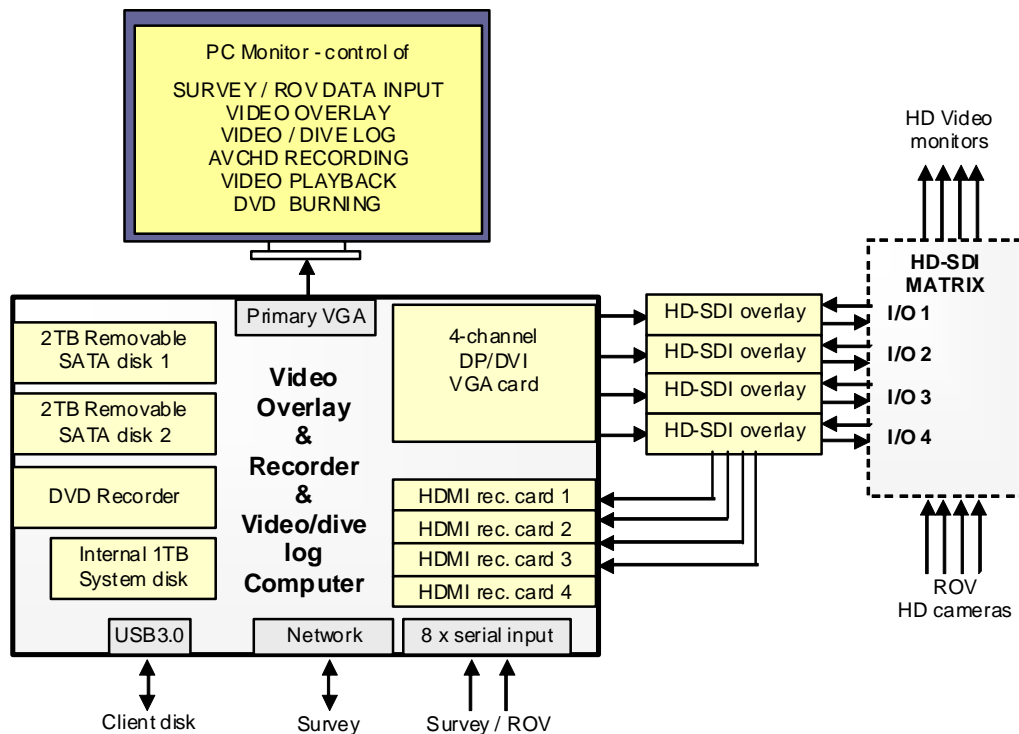
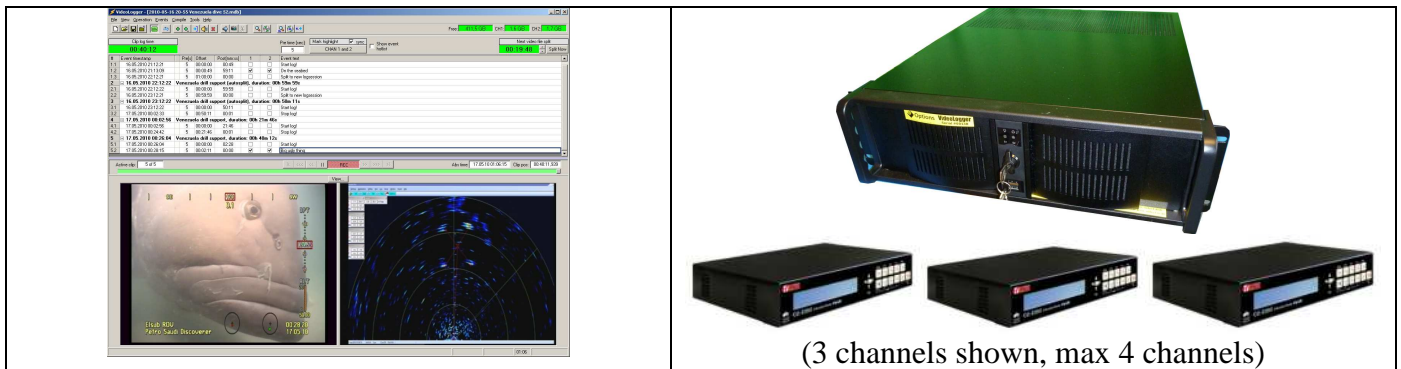


Integrated HD-SDI / HDMI video overlay and recording system, 1 to 4 channels

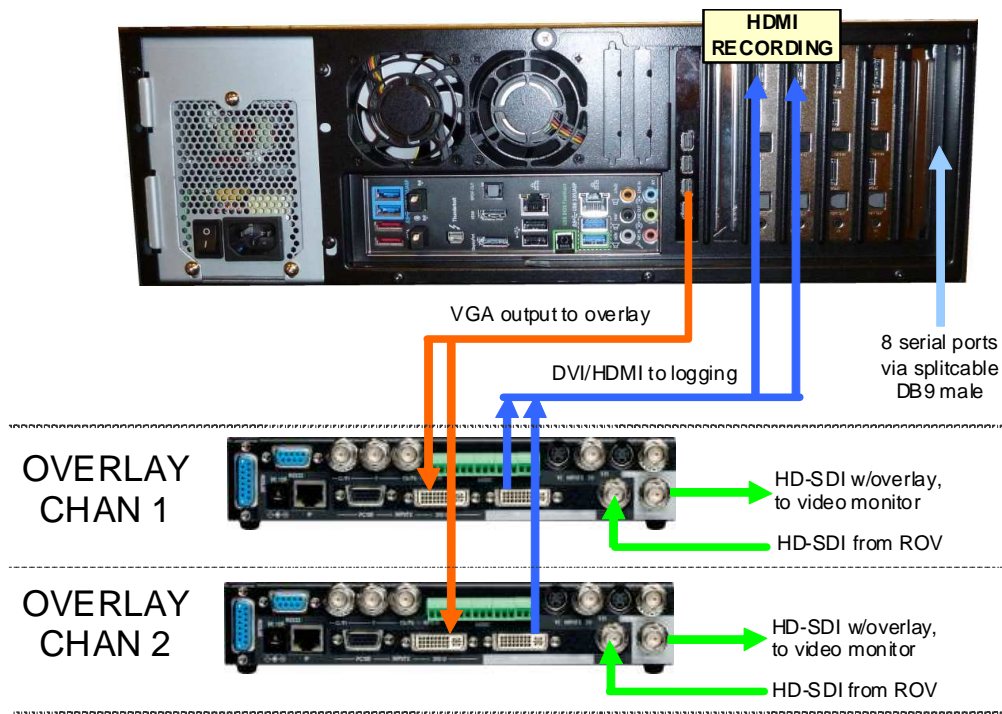


Features:

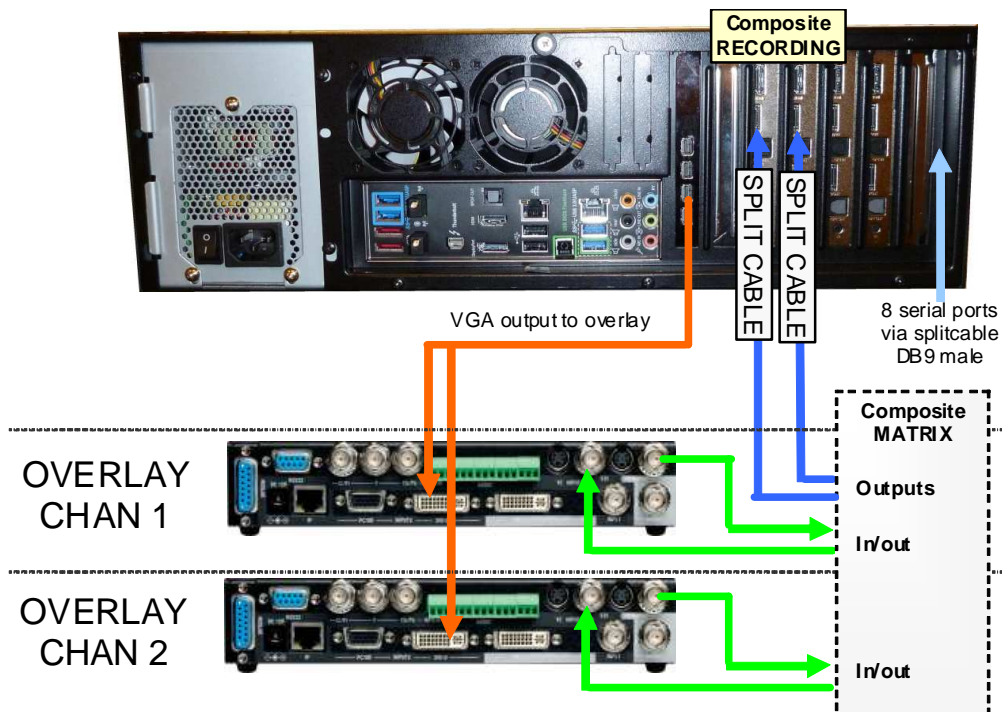
- Up to 4 channel overlay – HD-SDI, 1080i format,
- Up to 4 channel recording, H.264 format, 1080i, max 20Mbit per channel
- 8 serial ports, 2 network ports
- **Well proven system - same VIGRA and Videologger software used by more than 250+ Videologgers in the North Sea area and worldwide (mix of SD and HD video systems)**
- Realtime live overlay output to HD-SDI monitors without any noticeable delay
- Video preview on PC monitor during recording – NOTE: 1-2 second delay on PC preview
- Stillpicture and videoclip snapshot during recording and during playback.
- Dive/video event log linked directly to video. Events are typed in by operator, or easy point&click operation from predefined list.
- Easy retrieval of video clips by double-clicking on video events. Video playback will then start off exactly at the position where event was linked to the video.
- Flexible overlay based on VIGRA overlay system and COMServer for decoding data.
- Optional logging of ROV/Survey data strings
- Removable harddrives for extended storage.
- 3U rack computer, pluss 1U box per overlay channel (2 boxes fit side by side in 19" rack)
- Part number: VL2HD-NxM, N/M=1-4, based on number of overlay/logging channels

Options VideoLogger VL2HD

Wiring: (example shown for 2 channel HD-SDI video, can be wired direct without videomatrix)



Wiring: (example shown for 2 channel Composite video – requires wiring through videomatrix)



Other computer connections:

- VGA monitor: HDMI or DisplayPort, or VGA via adapter cable
- Mouse/keyboard: USB
- Network: 2 x RJ45, Gigabit
- Storage interfacing: USB 3.0, eSATA
- Sound recording: Splitcable with line-level RCA for each logging channel

Estimated disk storage requirements:

If recording at max bitrate which is 20Mbit/sec, then 1 hour recording will require 9 GB per channel
For 2 channels, requirements are 18GB

With a total of 2 x 2TB storage, this gives $4000/18 = \text{ca } 222$ hours or ca 9 days of continuous recording
Or if using standard 10Mbit bitrate, it is ca 18 days of continuous recording

Bitrate 10 Mbit/sec – video storage requirement estimates

Channels	1 hour	12 hours	24 hours	1 week
1	4,5 GB	54 GB	108 GB	756 GB
2	9,0 GB	108 GB	216 GB	1 512 GB
3	13,5 GB	162 GB	324 GB	2 268 GB
4	18,0 GB	216 GB	432 GB	3 024 GB

Bitrate 20 Mbit/sec – video storage requirement estimates

Channels	1 hour	12 hours	24 hours	1 week
1	9 GB	108 GB	216 GB	1 512 GB
2	18 GB	216 GB	432 GB	3 024 GB
3	27 GB	324 GB	648 GB	4 536 GB
4	36 GB	432 GB	864 GB	6 048 GB

Sizes/duration are only estimates, actual values might vary