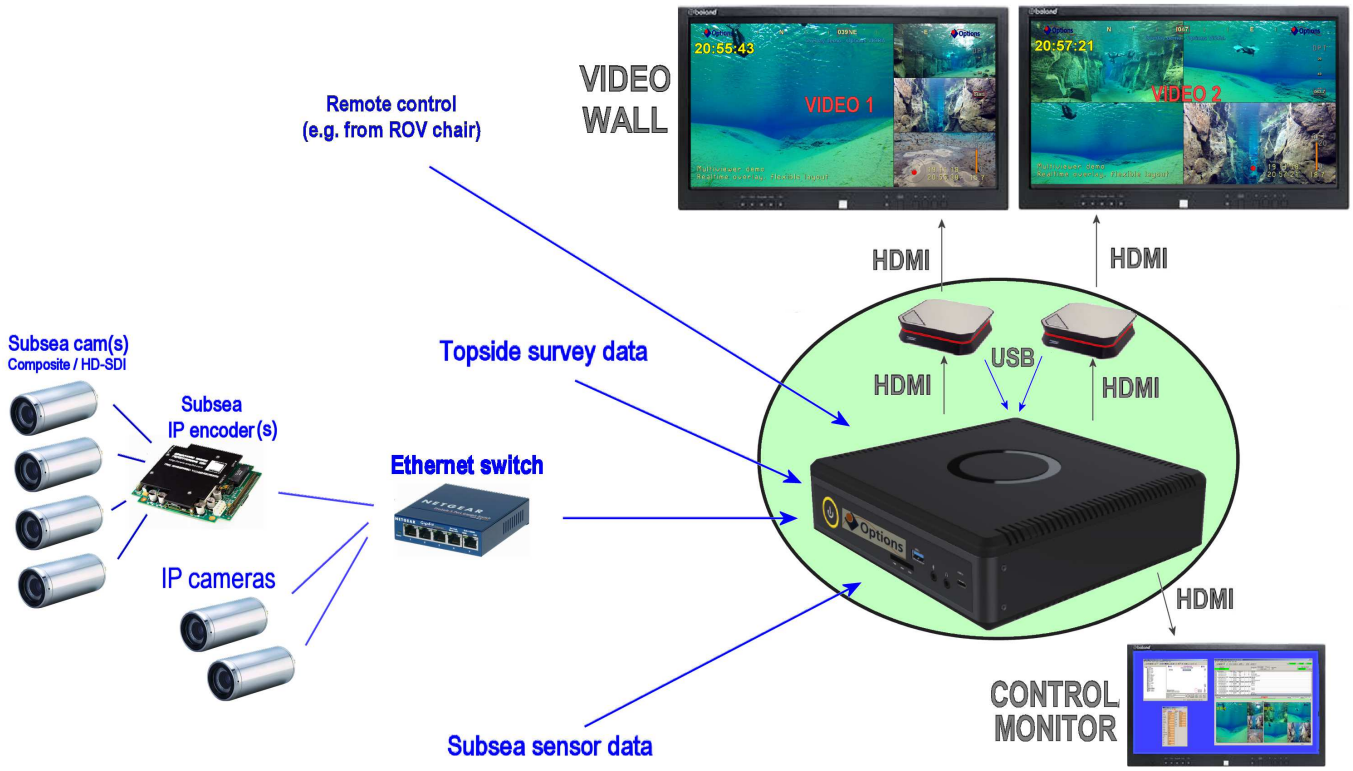
Options IP Videologger/Multiviewer

*System based on **MINIATURE POWERFUL PC***

Low latency subsea/topside IP video to multiviewer display + recording



Example: converting subsea analog / HD-SDI cameras to IP, with bigscreen overlay/multiviewer and recording

General features:

- Use as basis for building a IP-camera videowall with 2 x BIGSCREEN monitors (HDMI)
- Multiple systems can be used on same network – e.g. ROV container, bridge, client-room
- Can interface to many different IP cameras and IP encoders – PAL / NTSC / HD.
- Almost unlimited number of videosoures can be defined (configuration text file)
- Maximum number of simultaneous videosources depending on type of sources, bitrate, framerate.
- Low-latency mixing of video + overlay data (total latency dep. on camera / IP encoder / HDMI monitor)
- Multiviewer layouts enable mixing of several video sources on same monitor
- Realtime overlay ontop of multiviewer video – text, bitmaps, dynamic graphics.
  (overlay based on VIGRA overlay software used by 900+ ROV systems worldwide)
- Interfacing to sensor data via flexible COMServer decoder – decode almost any ASCII-based serial or Ethernet data strings, then put data-fields ontop of video!
- Possibility to remote control multiviewer from e.g. ROV control system (Modbus protocol)
- Options Videologger for recording of video to disk, including builtin eventlog!

Technical specification:

- 2 x Gigabit Ethernet
- WIFI with antenna
- 2 x DisplayPort, 2 x HDMI (normally 2 used for Multiviewer, 1 for Windows desktop)
- 6 x USB ports (normally 2 are used for recording boxes)
- 2TB internal storage, can also record to external NAS or USB disk.
- Small formfactor, size ca 21 x 21 x 6,3 cm
- USB encoders for recording, small formfactor size ca 16 x 16 x 4 cm