ISABEL Platform:

Hardware and Software
Requirements

Topics

- Hardware requirements

  - ISABEL Work Station
    - ISABEL end station
    - ISABEL Flowserver
    - ISABEL remote display station
  - Audio and Video

- Software requirements

  - Operating system
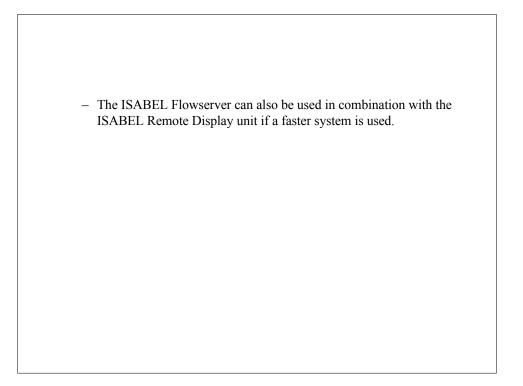 - Applications and Drivers

Hardware requirements: ISABEL Workstation

- ISABEL end station:

  - The following list of hardware is the minimum system requirements needed to run an ISABEL end station

    - Pentium III 600 MHz (dual is preferable)
    - 256 Mb RAM
    - Audio card (SB preferable)
    - Video Display Card
    - Video Capture Card (BT848 chipset)
    - 10/100 Mb Network Interface Card (NIC)
    - CD-ROM

- 1.44 Fdrive
- Monitor
- Keyboard and mouse

- The fastest possible machine is recommend. Think of long term solution to avoid constant upgrades.

- To avoid any hardware incompatibility, check the Redhat compatibility list at http://hardware.redhat.com/redhatready/cgi-bin/us/db-hcl.cgi and make sure that all hardware used is Redhat 6.1 or 6.2 compatible.
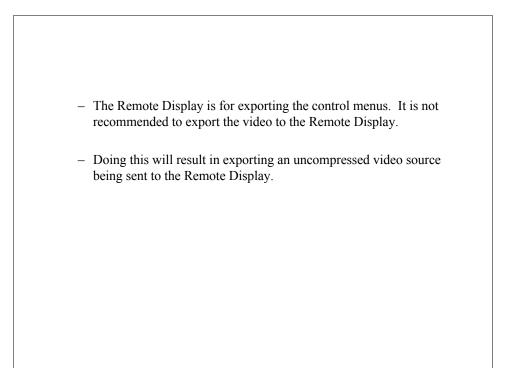
- ISABEL Flowserver

  - The following list of hardware is the minimum system requirement for an ISABEL Flowserver.

    - Pentium III 400 MHz
    - 128 Mb RAM
    - 10/100 NIC
    - Video Display card
    - CD-ROM
    - 1.44 Fdrive
    - Monitor
    - Keyboard and mouse

  - The ISABEL Flowserver can also be used in combination with the ISABEL Remote Display unit if a faster system is used.

- ISABEL Remote Display

  – If the ISABEL Remote Display is separate from the ISABEL
    Flowserver, then the following list of hardware is the minimum
    requirement.

    - Pentium II 400 MHz
    - 128 Mb RAM
    - 10/100 NIC
    - Video Display card
    - Monitor,
    - Keyboard and mouse

  – The Remote Display is for exporting the control menus. It is not
    recommended to export the video to the Remote Display.

  – Doing this will result in exporting an uncompressed video source
    being sent to the Remote Display.

Hardware Requirements: Audio and Video

- Audio Requirements:

  - Uni-directional microphone

  - Audio mixer

  - Amplifier

  - Speakers

  - Avoid plugging a mic and speaker directly to the line in, line out, mic in, or speaker out if possible.

- Video Requirements:

  - Video camera which has composite or s-video outputs.

  - ISABEL also supports remote control via a RS232 to serial. For the use of this function, the Sony EVI-D30 is needed.

  - Video Mixer for multiple cameras.

Software Requirements

- Operating system:

  - Redhat 6.1 or 6.2 on CD

- Applications and Drivers:

  - ISABEL (current version is 3R5, newest beta version is 4R0 beta01 build 0)

  - Advanced Linux Sound Architecture (ALSA) drivers.

  - Available on the BADLAB FTP server as anonymous at ftp://gamma.badlab.crc.ca