

HARROW CAMERA CLUB

Digital Projection Facilities

This Note describes the digital projection facilities available to visiting lecturers when required. Any queries should be resolved well in advance of the showing date.

Projector: Canon X600 LCOS projector using a display size of 1024 pixels wide by 768 pixels high (XGA). The projector can be set up on a table requiring keystone adjustment, or it can be set at the correct height to avoid keystoneing if required.

Computer: Laptop with display size to match the projector. Separate mouse. Stereo sound for AV etc through two speakers. Data may be loaded via CD/DVD or USB.

Usage Advice:

- **Size:** The projector can be moved back to enlarge a central 768x768 pixel area on the full screen. This is only for where the lecturer has chosen to set all images on a predefined 768x768 background to equalise the display area for mixed portrait and landscape images.
- **About Resizing:** Some display software (below) can resize larger images during projection, either always or optionally, down to the 1024x768 pixels display size. Image quality will reduce.
- **Image Quality:** The luminance and colour have been optimised on the combination of the HCC projector, computer, and the digital connection between them. The image quality is not warranted if the lecturer substitutes a different computer.
- **About Colour Management:** Colour management in display software (below) means that images are individually matched to the projection capability whether they are flagged in sRGB or AdobeRGB colour space.
- **Sound:** The two speakers are simple but adequate for most purposes.
- **Data Loading:** It is advisable to copy data from the lecturer's media and run the show from the computer hard disk. It is simplest if the show (or part) is within a folder. Allowable media include CD, DVD, and USB data keys.
- **Available Display Software:**
 - **Windows Picture&Fax Viewer.** This software will resize larger images, and is colour managed.
 - **Picasa.** This software will resize larger images and is not colour managed. Images should only be in the sRGB colour space.
 - **Irfan Viewer:** This software is set to resize larger images, and is not colour managed. Images should only be in the sRGB colour space.
 - **PowerPoint Viewer:** This software will resize larger images, and is colour managed. Any sound clips (WAV files) must be kept and loaded within the same folder as the PPT file. The viewer program can only start at the beginning of a file: there is no jump to individual slides. Lecturers should use separate PPT files whenever the talk is divided eg, for first and second halves of the evening.
 - **Pictures2exe / ProShowGold / etc.:** The HCC computer does not hold the software to create such shows. Where the lecturer has created an executable file, then this may be copied to the computer and run. Depending on the options during creation, such a show may advance automatically or manually, and may include sound.
- **Display Order:**
 - Where image files are to be shown using an album program such as Picture & Fax Viwer, Picasa, or IrfanView, it is essential that the files are named in the alphanumeric order required for showing.