

ChromaScan Installation - Quick Guide

■ System components

1. Darkroom with epi white and epi UV light (factory fitted)
2. Camera with lens and close-up lens (factory fitted)
3. TLC viewing platform
4. ChromaSnap software
5. All required cables

CAUTION: Do not connect power supply to any of the components until you are satisfied that everything is connected correctly. For assistance please contact your supplier or Syngene directly

■ Installation

TLC viewing platform

1. Open the darkroom door and slide the TLC viewing platform between the runners located on each side

Camera set-up

1. Connect the camera power cable (9-way D-type connector) to the back of the darkroom (port labelled 'camera'). Thread the cable from the back of the darkroom through the hole and up through the hole where the camera will be positioned
2. Place the camera (first remove lens cap if fitted) on top of the darkroom with the bracket facing the rear and connect the other end of the camera power cable (red DC connector end) to camera
3. Thread the camera lens cable through the same two holes as the camera power cable, connecting to the back of the darkroom (port labelled 'lens')
4. Using 4xM4x6mm pan head posi screws and shakeproof washers attach the camera to the top of the darkroom
5. Attach the USB cable to the camera and thread the cable through the same two holes as the camera power and lens cable
6. DO NOT attach the free end of the USB cable to the high speed USB 2.0 port on the PC until the ChromaSnap/camera drivers have been installed
7. Place the hood on top of the darkroom to cover the camera/lens/bracket assembly. There is a recess in the back of the hood so that you do not trap the cables and a hole at the front

■ PC set-up

1. Set up the PC by attaching the monitor, keyboard and mouse into the appropriately labelled ports
2. Connect electrical power leads to each component. Turn on the PC (if you purchased the PC directly from Syngene then all the following software steps below will have been done for you. You will however have to accept the Windows operating licence and plug in the camera and serial cable)

3. Install the ChromaSnap software following the instructions on screen (also refer to the hardware installation guide). Once installed then plug in the camera to a high speed USB 2 port on the PC, this will install the camera drivers
4. Connect the serial cable from the labelled port in the rear of the darkroom ('Darkroom/PC') directly to the serial port on the PC. If there is no serial port on the PC then use the supplied adapter and follow the instructions below

If you are using a serial converter then the following will occur:

5. Windows XP: In the welcome Found New Hardware Wizard dialog choose "No not this time" and Click "Next"; then choose "Install software automatically" then click "Finish"
6. Windows Vista: In the first dialog click on "Locate and install driver software". In the User Account Control dialog click on "Continue" then click "Yes, always search online". Then click "Next" until you reach window entitled "Windows cannot verify the publisher of this driver software". Click "Next" to install correct driver software

Installing ChromaTools software

7. If the CD does not auto-run then using Windows Explorer locate the InstallChromaTools.exe file on the CD
8. For hardware or network licensing you will have been supplied with a hardware key. For software licensing each PC will need a media key (found on the CD insert)

Setting up white balance of camera

1. Place an unused white TLC plate in the system and open ChromaSnap software. Using white light with the door closed, zoom in (using the lens zoom controls) on the white plate until it fills the whole screen
2. From the Extra's menu in ChromaSnap select White Balance - this corrects the colour balance of the sensor. It is done just once on set-up. Ensure that the white balance correction is saved as a configuration

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