



Flower

Space

Capture



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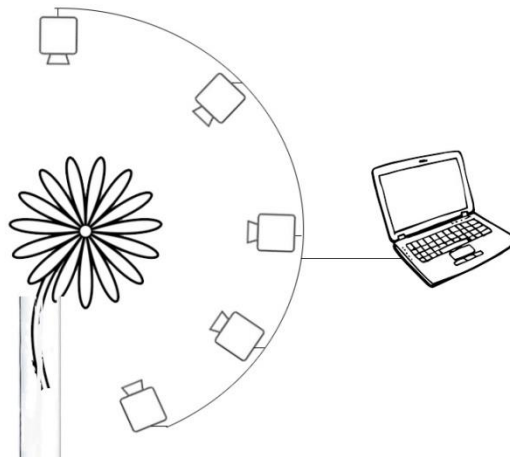
Image Capture Concept

The Flower Space Capture application captures up to 5 images of flower quickly and consistently. The system allows the capture of many blooms, capturing the images and other data for each.

Up to five views can be captured

Bloom View	Image Use
Bloom	Shows a single flower head to give the viewer an appreciation of colour, texture and petal shape.
Bunch	A view of the flower which can be overlaid several times to give an appreciation of up to five flowers in a bunch.
Select	A view of the flow presented to a web site user to allow selection of a flower.
Profile	Flower profile to show the shape
Extra	A view of the flow that may be useful

The system consists of a “Flower Capture Light Box” with 5 webcams arranged to focus on an individual bloom. The webcams are connected to a laptop via a USB hub. The Flower Space Capture application captures the images which can later be exported to The Flower Space system.



Objectives

The application has some very simple objectives, however achieving the objectives are not simple to achieve:

1. Capture up to 5 photos of a single flower bloom simultaneously. In order that:
 - a. A great number of similar blooms can be captured efficiently
 - b. Consistent meta data is captured
 - c. The pictures represent the consistent views of the bloom
 - d. The pictures are consistent and appropriate to their use
2. The operation can be completed by someone with minimal training
3. The photo capturing can be done at the flower growers' location
4. The photo capturing can be done remotely and disconnected
5. Multiple photo capturing operations can be done at the same time and the results amalgamated at a central location.


Concepts

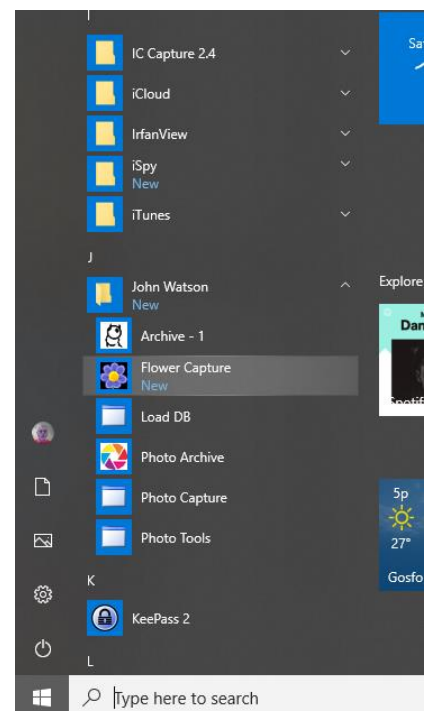
Capturing flower images

Setup the Flower Capture Light Box

Starting the application



Select the Flower Capture application  in the John Watson folder of the Windows application menu.

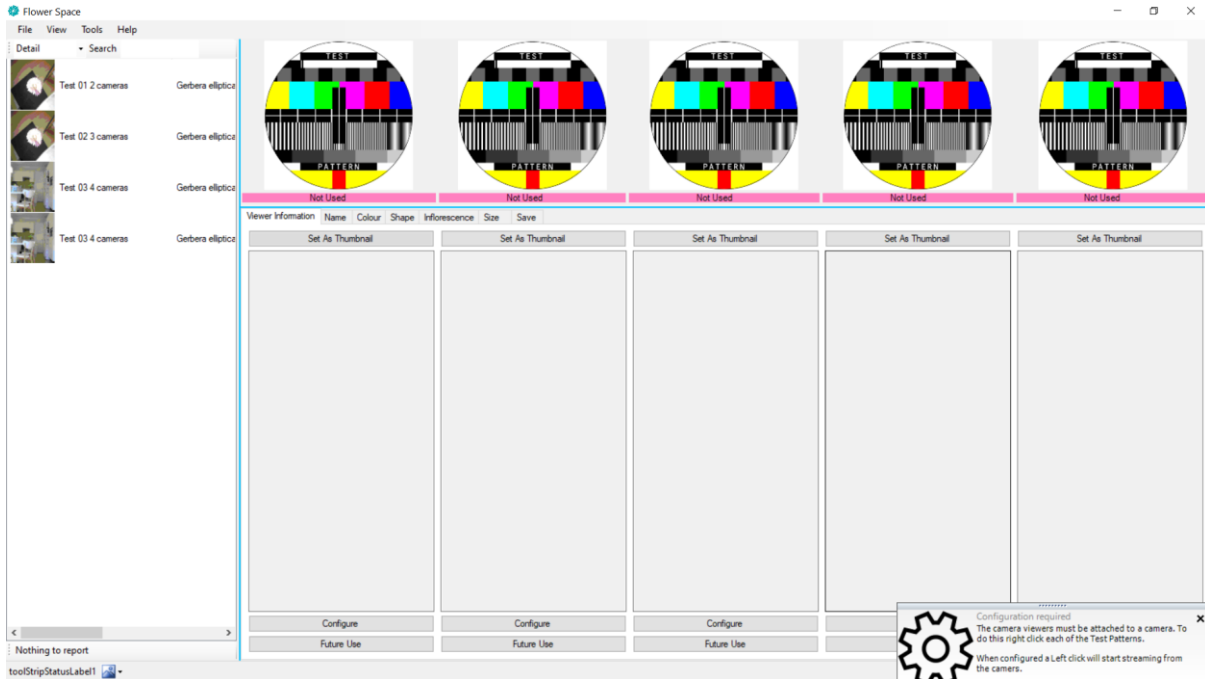


The opening form

When the application starts the main form is show. Ready to review the database contents or to configure the camera view ports ready to start capturing photos.

The form has two major sections:

- On the left-hand side is a list of the flower blooms in the database
- On the right-hand side is the area for reviewing or capturing photos and reviewing or entering photo bloom data. This area has two sections:
 - The top section has 5 image viewers
 - The bottom section has information about the viewers and the bloom data related to all (1 to 5) images shown in the top section



Installing Flower Space Photo Capture