Samsung Prism Queries

Question 1:

So the solution is AI based for detection of shadow and for the removal we fall back to traditional image processing?

Yes, we have used AI based solution for shadow detection and for removal we do fall back to traditional image processing techniques.

Question 2:

What is the overall solution size? In terms of memory used, model size for the AI part.

The size of the model is 22.2 MB

Question 3:

For the accuracy analysis - can you please describe your method to estimate the accuracy and the size of dataset used?

We plan to use MSE (Mean Square Error) analysis to find the error analysis.

Question 4:

Input Image format and output image formats - any dependencies?

No

Question 5:

Size of image - any dependencies

No

Question 6:

Timing information - end to end solution, for major modules - detection and removal.

Question 7:

How dependent are detection and removal modules on each other? Can I use them individually?

The detection and removal modules aren't dependant on each other completely. If we already have the shadow mask of an image we can use it directly to obtain a shadow free image.

Question 8:

Are you planning any publications?

Not at the moment but, we can go for publications.