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USING LUMIA REFOCUS

A tale with a sad ending



Nokia Lumia 830

- New phone February 2015
- Windows Phone 8 (subsequently upgraded to Windows 10 Mobile)





Nokia Background

- Based in Finland
- Founded 1865 as a pulp mill
- Famous for paper products then rubber, cables, telecomms.
- 1987 first mobile phone
- 1996 first smartphone (9000)
- 2011 switched to Windows Phone
- 2014 bought by Microsoft





Nokia Camera Phones

- 2002 first camera phone (7650)
- 2012 introduced PureView over-sampling technology (808)
- 41 Mp (10.67 × 8 mm) sensor and a high-resolution f/2.4 Zeiss lens
- Carried over to the Windows Lumia phones
- Lumia 830 - 10 MP (1/3.4"), f/2.2, 26mm Zeiss optics, OIS, autofocus, LED flash





Nokia (Microsoft) Lumia Camera Apps

- Lumia Camera app + Creative Studio, Panorama, Play To, Selfie, Share, Storyteller
- Refocus (2013) alter the focus of pictures after exposure.
- Demo



Sharing Lumia Refocus Images

- Upload to the Refocus website
- Returns URL which allows image to be displayed in a browser.
- Click image to change the focus point.
- Also button for “all in focus”
- No “colour pop” function



The Sad Bit...

- On 30 October 2015 Microsoft removed the Lumia Refocus application from the Windows Phone Store and discontinued the online service.
- “need to focus on making our Windows 10 core Photos and Camera apps great”
- “we're listening to your feedback as we continue improving our apps”
- Existing apps installed on a phone will continue to work but online sharing is no longer possible.



Refocus Alternatives

- Lytro Camera
- Light-field photography (also known as plenoptic photography)
- Captures information about the intensity of light in a scene and also the direction that the light rays are traveling in space
- <https://pictures.lytro.com/lexy/pictures/753247>
- <https://pictures.lytro.com/lexy/pictures/753257>





Google Camera App

- Allows application of selective Lens Blur based on estimates of the distance of objects from the lens.
- Take picture and do an upward sweep
- <https://youtu.be/4RJfgV85hHc>

