**FOR ALL (30 minutes):**

- Immagine che contiene screenshot

Descrizione generata automaticamente[fabio.rossi@con.repower.com](mailto:fabio.rossi@con.repower.com)

- Choosing lenses of suitable diameter and resolution among the focal length: 16, 25, 35, 50 mm

- Target objects have a surface to be inspected of 45\*35 cm2, over a belt of 50 cm (width)

- Position of the camera at the height in the range: 50cm - 150cm

- Consider an exposition time (shutter time) of 10 us (0.01 ms): I need at least that time for having a significant image)

1) Define the setup with the highest resolution at the lowest height (trying to acquire the entire object in one frame).

2) Define the largest redundancy in the frame dimension along the direction of the object motion

3) Which frame rate I can achieve (supposed we have no problem in the processing time) [already in datasheet]

4) Which is the resolution in terms of pixel /mm?

Which is the size of the smallest defect that I can analyse (supposed that you need at least 10 pixel per defect)

Which is the highest speed of the belt that I can set up (without considering the blur because of the motion)? Instead, if I need to get a blur of less than 2 pixels, which is the highest achievable speed?