Considerare la seguente LineScan camera:
Device "1":Sensore di ***2048px****, each point of 4.2micron*4.2micron,able to acquire 30.000lines/s*

And the matriciale device:
Device "2":Sensor of ***2048*2560 Points of 2.6micron*2.6micron***

A:Define a SetUp for analysing objects having a surface of ***2m*2.2m*** *at a resolution of at least 1pixel/mm(Both along x and y) in Teams of and addizional device needed for the acquisition BT means of Device 1*

B Define the best setup in case we have to adopt the device 2 with a lens having a focal length of 18mm

Suppose non that both devices mounted simultaneously over the same scene

C.Which is the fastest speed that can Cat over the object for being correctly acquire d by both the set?
D;Which is the shortest shutter time of the matriciale camera,in case we don't wait motion effect greater that 1 pixel?

E: Given the ***speed*** *of the object as resulted in question C,and considering the Device 2 which is the lowest framerate that we can use in order to di* ***NOT Miss*** *any object of part of the object,supposed that the objects are put over a conveyor large exactly 2m e* ***NOT always at the same Distance***