

1. Public Executive Summary

This deliverable first describes the market trends we identify today with respect to higher resolutions, frame rates and bit depth and links these trends to the camera architecture that has been defined in deliverable D4.1.

Based on the market trends and the possibilities within the camera architecture it is then explained that two options will be followed to increase the spatial resolution. The first option is to increase the horizontal resolution by 1/3rd in the imager; the second option to increase the spatial resolution with an algorithm based on half pixel, half line offset.

In the last chapter improvements in the optical path (aberration corrections) are discussed so we can get the best out of the Time of Flight algorithm for depth-map generation and the algorithm to increase the spatial resolution at the output of the camera.

For more information about this documents, please contact: info@20203dmedia.eu