

HIGH DEFINITION, LARGE CAPTURE VOLUME, CAMERA ARRAY SYSTEM**ABSTRACT**

The technology described herein can be embodied in a method that includes
5 capturing, using a first array of multiple image acquisition devices, a first set of images of a
scene, and capturing, using a second array of multiple image acquisition devices, a second set
of images of the scene . The devices of the first array are each focused at a first distance, and
the devices of the second array are each focused at a second distance. The method also
includes identifying a first image and a second image in the first and second sets of images,
10 respectively, to include a feature of interest. The method further includes determining a focal
score for each of the first and second images, selecting one of the images based on a
comparison of the corresponding focal scores, and initiating an authentication process based
on the selected image.

15 FIG. 1