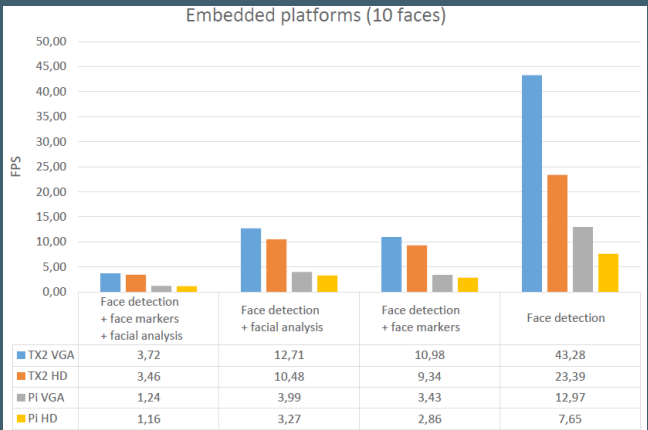
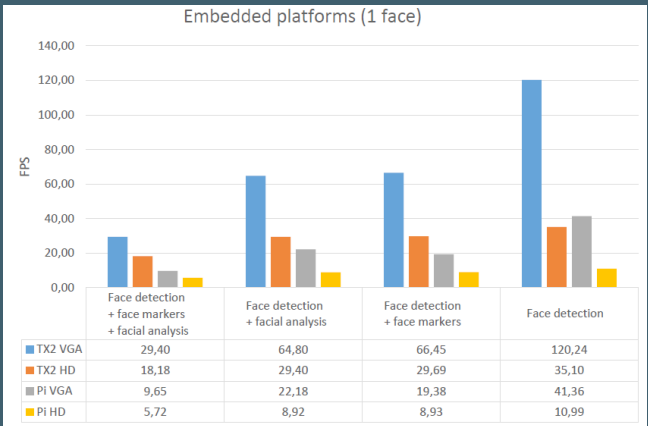
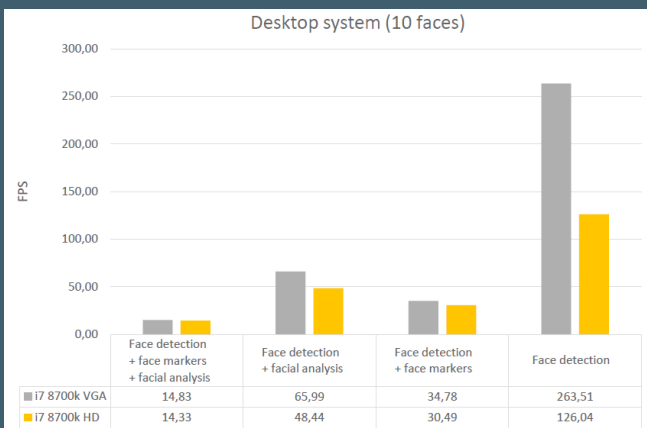
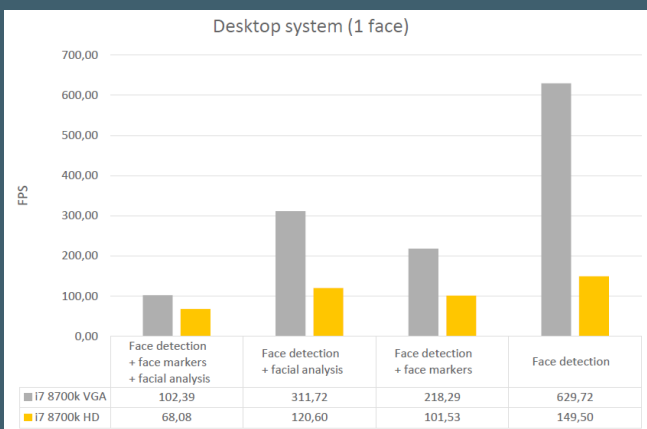


The following benchmark results demonstrate the processing speed of SHORE® in frames per second on both desktop and embedded systems. The following parameters were altered:

- Resolution of the input images (VGA = 640 × 480 pixels and HD = 1,280 × 720 pixels)
- Number of faces per image (1 and 10)
- **4 different configurations of SHORE®:**
  - Face detection, determination of 68 facial landmarks and face analysis (6 facial expressions, age, gender)
  - Face detection and face analysis (6 facial expressions, age, gender)  
(6 Gesichtsausdrücke, Alter, Geschlecht)
  - Face detection and determination of 68 facial landmarks
  - Face detection





A Raspberry Pi 3 Model B and an NVIDIA TX2 were used as reference systems for the measurements on embedded systems. The desktop system consisted of an Intel i7-7800k with 16 GB RAM.

Image data were processed in single-image mode – and significantly higher frame rates were achieved when processing data with a time correlation (e.g. images recorded with a camera).