APPLICATION SCENARIO
Driver alertness monitoring, through detection of:
• Eye gaze
• Head pose
• Alertness status
• Drowsiness
• Shades/ Eyeglasses
• Eye closure graph

PERFORMANCE
• Machine vision based: 30 FPS on TI TDA2X, 25 FPS on TI TDA3x and 35FPS on Intel i5
• Machine learning based: 22 FPS on GPU

SUPPORTED PLATFORMS
• Machine vision based: TI TDA2X, TDA3x, NVIDIA TK1 and TX1, Intel x86 (can be easily ported to various platforms)
• Machine learning based: Intel/GPU/Renasa RZ series (G1M - R8A77430)

BENEFITS
• Reduce time-to-market by up to 50%
• Algorithm accuracy of over 90% for face detection, eye-gaze and head-pose detection already achieved
• Easily customizable to suit customer needs

Licensed to a Japanese Tier-1 Supplier