

Artificial Intelligent Partner System (AIPS) with Pinned Photodiode used for Robot Vision and Solar Panel

Abstract— The future of real-time computing will include massive assemblies of parallel processors over mesh-connected wireless networks to execute the vast amounts of computation with vast number of sensors of all types in order to change the way humans and computers interact in order to meet our human needs. This paper explains the details of the artificial intelligent partner system (AIPS) which was originally introduced in 2008 by Sony, using Play Station III Cell Processor and the intelligent image sensor real-time system, using the Sony Original Pinned Photodiode used for future robot vision and solar panels with the excellent short-wave blue light sensitivity and the electronic and global shutter function capabilities for fast action pictures.