

<b>IP Name</b>	Census transform based adaptive support weight stereo matching IP
<b>IP Version</b>	1.0
<b>Category</b>	Digital Signal Processing > Accelerator
<b>Description</b>	Stereo matching is the process of finding corresponding pixels in a pair of stereo images a
<b>Feature</b>	<ul style="list-style-type: none"> <li>- Stereo Matching algorithm : Census transform based adaptive support weight algorithm</li> <li>- Matching window size : 11x11</li> <li>- Support window size : 17x17</li> <li>- Maximum Clock frequency : 70 Mhz</li> <li>- Image size : 1280 x 720</li> <li>- Output : 3D depth map, 60 fps at 40 Mhz</li> </ul>
<b>Foundry</b>	Soft IP
<b>Technology</b>	65nm ≤ ~ < 90nm
<b>IP Type</b>	Soft IP
<b>Format</b>	Verilog
<b>Silicon Verification Status</b>	개발검증
<b>적용된(될) Chip의 Function</b>	Depth map extraction
<b>적용된(될) Chip의 Application</b>	Vision system for Autonomous Robot or Samrt-vehicle
<b>Biz 범위</b>	<ul style="list-style-type: none"> <li>• 수정/가공 판매가능함</li> <li>• 기술지원 가능함</li> </ul>
<b>Deliverable</b>	Data Sheet
<b>Function Diagram</b>	* 현재파일 : <a href="#">block_diagram.png</a>
<b>Data Sheet</b>	있음(File을 등록하고, Provider의 승인/NDA 체결 후 전달하겠음) * 현재파일 : <a href="#">Census transform based adaptive support weight stereo matching IP.docx</a>
<b>Silicon Proven Report</b>	없음(자체 보유한 Silicon Proven Report가 없음) 현재 등록된 파일이 없습니다.
<b>정보공유 여부</b>	N