

beliefprop_cpu::Retrieve
OutputDisparityUseSIMDVectors

beliefprop_cpu::RunBPIteration
UsingCheckerboardUpdatesNoPacked
Instructions

beliefprop_cpu::RunBPIteration
UsingCheckerboardUpdatesUseSIMDVectors
Process

beliefprop::MemoryAligned
AtDataStart

```
graph LR; A[beliefprop_cpu::Retrieve OutputDisparityUseSIMDVectors] --> D[beliefprop::MemoryAligned AtDataStart]; B[beliefprop_cpu::RunBPIteration UsingCheckerboardUpdatesNoPacked Instructions] --> D; C[beliefprop_cpu::RunBPIteration UsingCheckerboardUpdatesUseSIMDVectors Process] --> D;
```

The diagram illustrates a flow where three different processing functions from the `beliefprop_cpu` namespace converge on a single memory-aligned data start location in the `beliefprop` namespace. The functions are: `RetrieveOutputDisparityUseSIMDVectors`, `RunBPIterationUsingCheckerboardUpdatesNoPackedInstructions`, and `RunBPIterationUsingCheckerboardUpdatesUseSIMDVectorsProcess`. All three are represented in white boxes, while the target `beliefprop::MemoryAlignedAtDataStart` is in a gray box. Blue arrows indicate the direction of the flow from each function to the target.