Image Manipulation Manager

# Abstract

The unit controls the image manipulation process using a FSM,

**Note: X represents row indexes, Y represents column indexes.**

# Illustration

# Memory Management Generic Parameters

|  |  |  |
| --- | --- | --- |
| **Generic Parameter** | **Default Value** | **Description** |
| Reset\_polartiy\_g | '0' | Reset active in this polarity |
| img\_hor\_pixels\_g | 640 | Number of horizontal pixels(columns) |
| img\_ver\_pixels\_g | 480 | Number of horizontal pixels(rows) |
|  |  |  |
|  |  |  |

# Inputs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **description** | **type** | **size** | **Recived from** |
| sys\_clk | System clock |  |  |  |
| Sys\_rst | System Reset |  |  |  |
| Req\_trig | tri |  |  |  |
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# Outputs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **description** | **type** | **size** | **Destination** |
|  |  |  |  |  |
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# The algorithm

# 

# Simulation results

# Code improvement