



How To View Defects From Files

illunis provides an image and up to 3 defect files for each camera delivered or repaired. These images and files are available on Share File.

The defect files have the following file name suffix, are plain text, and can be opened in notepad.

1. .col or .col.def = column defects
2. .row or row.def = row defects
3. .def = pixel defects

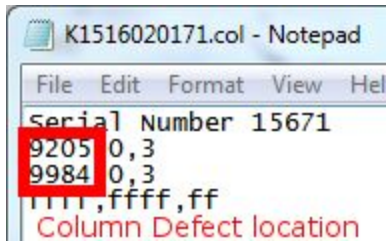
If the defect type does not exist in the camera, the file will not exist. For example: if the camera has no row defects, there will be no .row file.

The first column of numbers are the X coordinates, the second column of numbers are and Y coordinates, and the third column of numbers are the correction type.

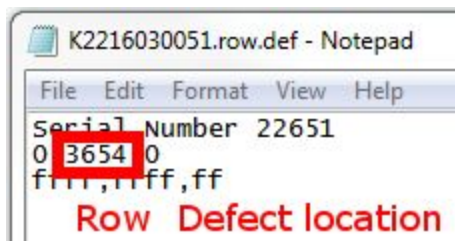
A screenshot of a Notepad window titled 'K1516020171.def - Notepad'. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'He'. Below the menu bar, the text 'Serial Number 15671' is visible. A red rectangular box highlights a list of 25 lines of text, each containing three comma-separated values representing X, Y, and correction type coordinates.

```
9962,100,3  
2173,319,2  
2174,319,1  
1744,611,3  
6901,814,3  
6901,815,3  
6900,816,3  
5804,1035,3  
9888,1552,3  
9887,1553,2  
9888,1553,1  
9888,1554,3  
7915,1579,3  
4961,1938,3  
5900,3122,3  
8869,3977,3  
328,4256,2  
329,4256,1  
4633,4965,3  
215,6071,3  
137,6751,3  
137,6752,3  
4766,6915,3  
ffff,ffff,ff
```

The X coordinate or .col or .col.def files, contain corrected column locations. If no column file is present the sensor has no corrected columns. For column corrections the row value will be 0.



The Y coordinate or .row or .row.def files contain corrected row locations. If no row file is present the sensor has no corrected rows. For row corrections the column value will be 0.

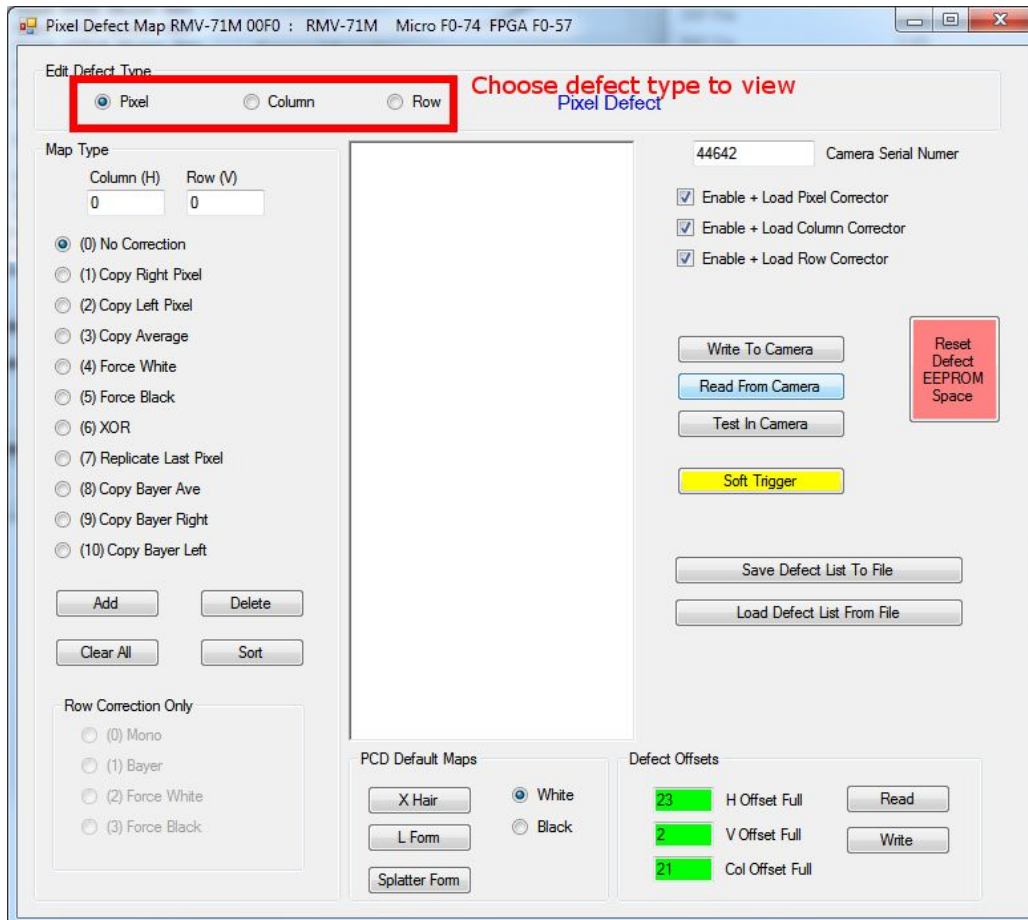
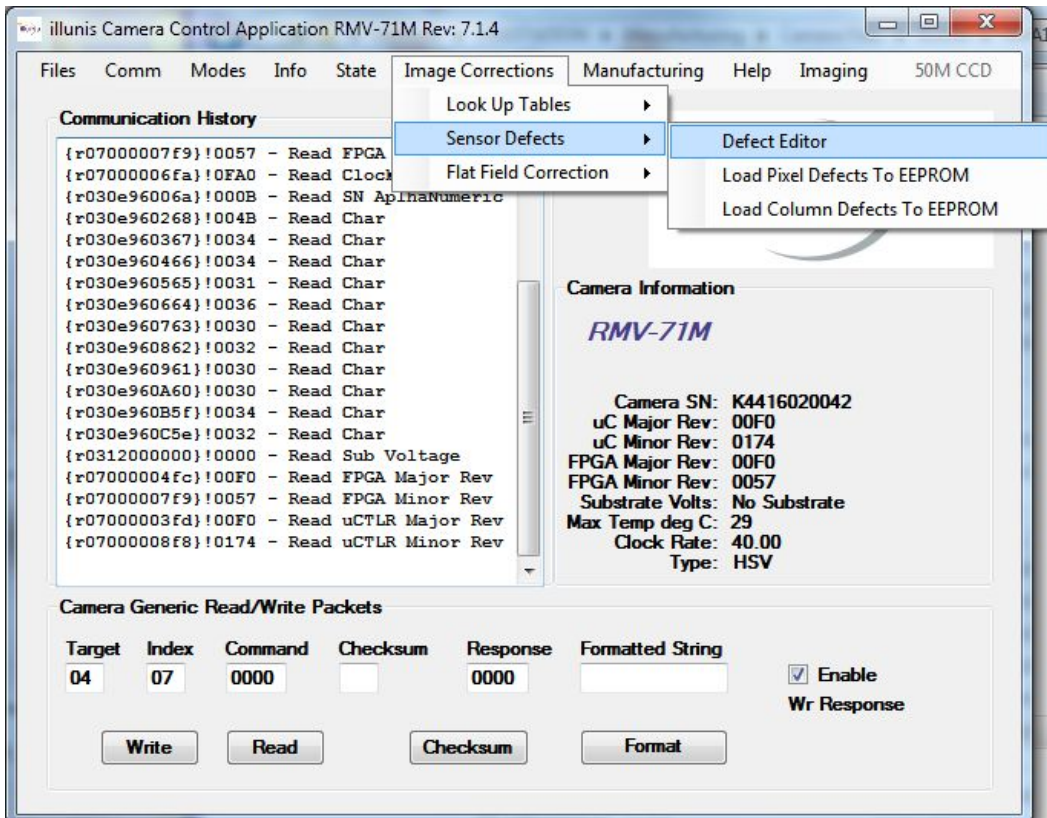


The following table describes the correction type for each number;

- (0) No Correction
- (1) Copy Right Pixel
- (2) Copy Left Pixel
- (3) Copy Average
- (4) Force White
- (5) Force Black
- (6) XOR
- (7) Replicate Last Pixel
- (8) Copy Bayer Ave
- (9) Copy Bayer Right
- (10) Copy Bayer Left

.def contains individual pixel defects corrected.

How To View Defects from illunis Camera Control Application



Pixel Defect Map RMV-71M 00F0 : RMV-71M Micro F0-74 FPGA F0-57

Edit Defect Type

Pixel Column Row **Pixel Defect**

Map Type

Column (H) Row (V)
0 0

- (0) No Correction
- (1) Copy Right Pixel
- (2) Copy Left Pixel
- (3) Copy Average
- (4) Force White
- (5) Force Black
- (6) XOR
- (7) Replicate Last Pixel
- (8) Copy Bayer Ave
- (9) Copy Bayer Right
- (10) Copy Bayer Left

Add Delete

Clear All Sort

Row Correction Only

- (0) Mono
- (1) Bayer
- (2) Force White
- (3) Force Black

1	-	320,	233,	3
2	-	2892,	2801,	3
3	-	7991,	2874,	3
4	-	3136,	3200,	3
5	-	5240,	4780,	3
6	-	7394,	5024,	3
7	-	4950,	5697,	3
8	-	5660,	6231,	3
9	-	5660,	6232,	3
10	-	6119,	6526,	3
11	-	4764,	6647,	3
12	-	7403,	6713,	3
13	-	7515,	6815,	3

44642 Camera Serial Numer

- Enable + Load Pixel Corrector
- Enable + Load Column Corrector
- Enable + Load Row Corrector

Write To Camera

Read From Camera

Test In Camera

Soft Trigger

Save Defect List To File

Load Defect List From File

Reset Defect EEPROM Space

PCD Default Maps

- X Hair
- L Form
- Splatter Form

White Black

Defect Offsets

- 23 H Offset Full
- 2 V Offset Full
- 21 Col Offset Full

Read Write

Click to read defects of selected type from camera.