

cv-cat accumulate: more ways to accumulate images

A few new features have been added to **cv-cat accumulate** filter.

Before, it accumulated images as **sliding** window of a given size. Now, you could also ask for **fixed** layout of the accumulated image. It sounds confusing, but try to run the following commands (press any key to move to the next image)

```
> # make sense of the input
> ( yes 255 | csv-to-bin ub ) | cv-cat --input 'no-header;rows=64;cols=64;type=ub' 'count;view=0;null'
> # accumulate as sliding window of size 4
> ( yes 255 | csv-to-bin ub ) | cv-cat --input 'no-header;rows=64;cols=64;type=ub' 'count;accumulate=4;view=0;null'
> # accumulate as sliding window of size 4 in reverse order
> ( yes 255 | csv-to-bin ub ) | cv-cat --input 'no-header;rows=64;cols=64;type=ub' 'count;accumulate=4,,reverse;view=0;null'
> # accumulate images in fixed order
> ( yes 255 | csv-to-bin ub ) | cv-cat --input 'no-header;rows=64;cols=64;type=ub' 'count;accumulate=4,fixed;view=0;null'
> # accumulate images in fixed order (reverse)
> ( yes 255 | csv-to-bin ub ) | cv-cat --input 'no-header;rows=64;cols=64;type=ub' 'count;accumulate=4,fixed,reverse;view=0;null'
```

For example, if you want to create an image from fixed number of tiles, you could run something like this:

```
> ( yes 255 | csv-to-bin ub ) | cv-cat --fps 1 --input 'no-header;rows=64;cols=64;type=ub' 'count;accumulate=4,fixed;untile=2,2;view=0;null'
```