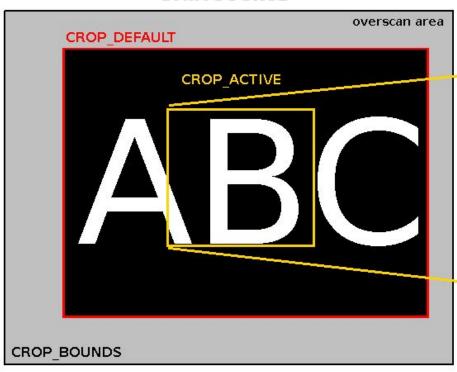
Multiple Rectangle Cropping

RFC to extend the selection API

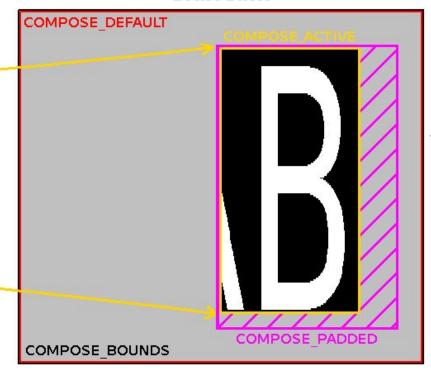


Current Capabilities

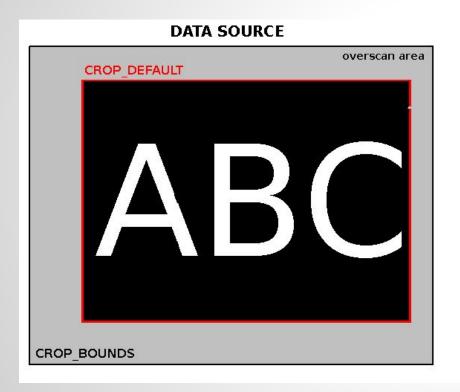
DATA SOURCE

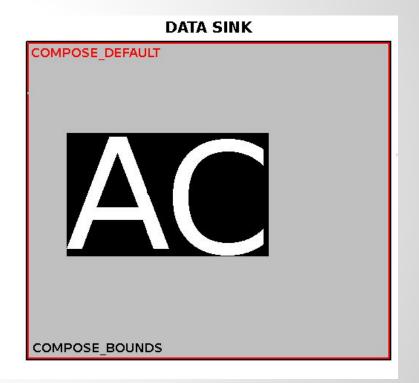


DATA SINK



Proposed Capabilities



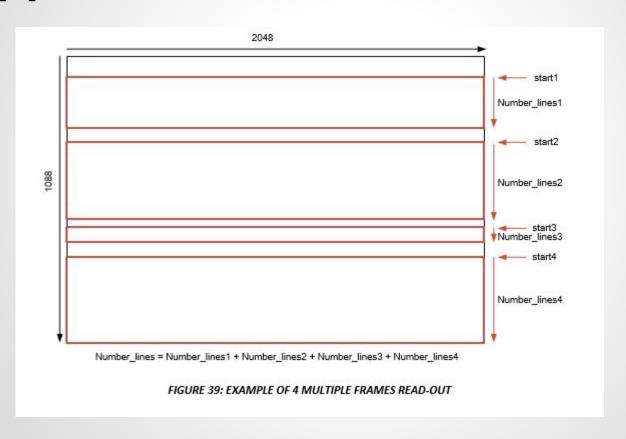


Applications





Support in sensors



Why not in userland?

- Increase FPS
- Reduce data transfer

- More potatoes per minute
- More accurate speed tickets :P
- Reduce power consumption

Latest RFC

```
struct v412 subdev selection {
                                            struct v412 ext rect {
                                                        left;
       u32 pad;
                                                         top;
       u32 target;
                                                    u32 width;
                                                   u32 height;
       u32 flags;
                                                   u32 reserved[4];
       struct v412 rect r;
       u32 reserved[8];
       union {
               struct v412 rect r;
+
                                                + Helpers: multi to legacy, legacy to multi
                                                + ioctl32
               struct v412 ext rect *pr;
+
       };
+
       u32 rectangles;
+
       u32 reserved[7];
+
};
```

Why v4I2_ext_rectangle?

- Opportunity to remove sign on sizes.

- Opportunity to add fields to the rectangles (ie

tracking areas)

