```
jpeg_core
clk
jpeg rden
lm data[15:0]
cm_data[15:0]
din b[7:0]
din_a[7:0]
                             jpeg_datardy
din_valid
                           jpeg_data[7:0]
                             lm_addr[5:0]
pc1k
sclk
                             cm addr[5:0]
ctrl
                                      stat
```