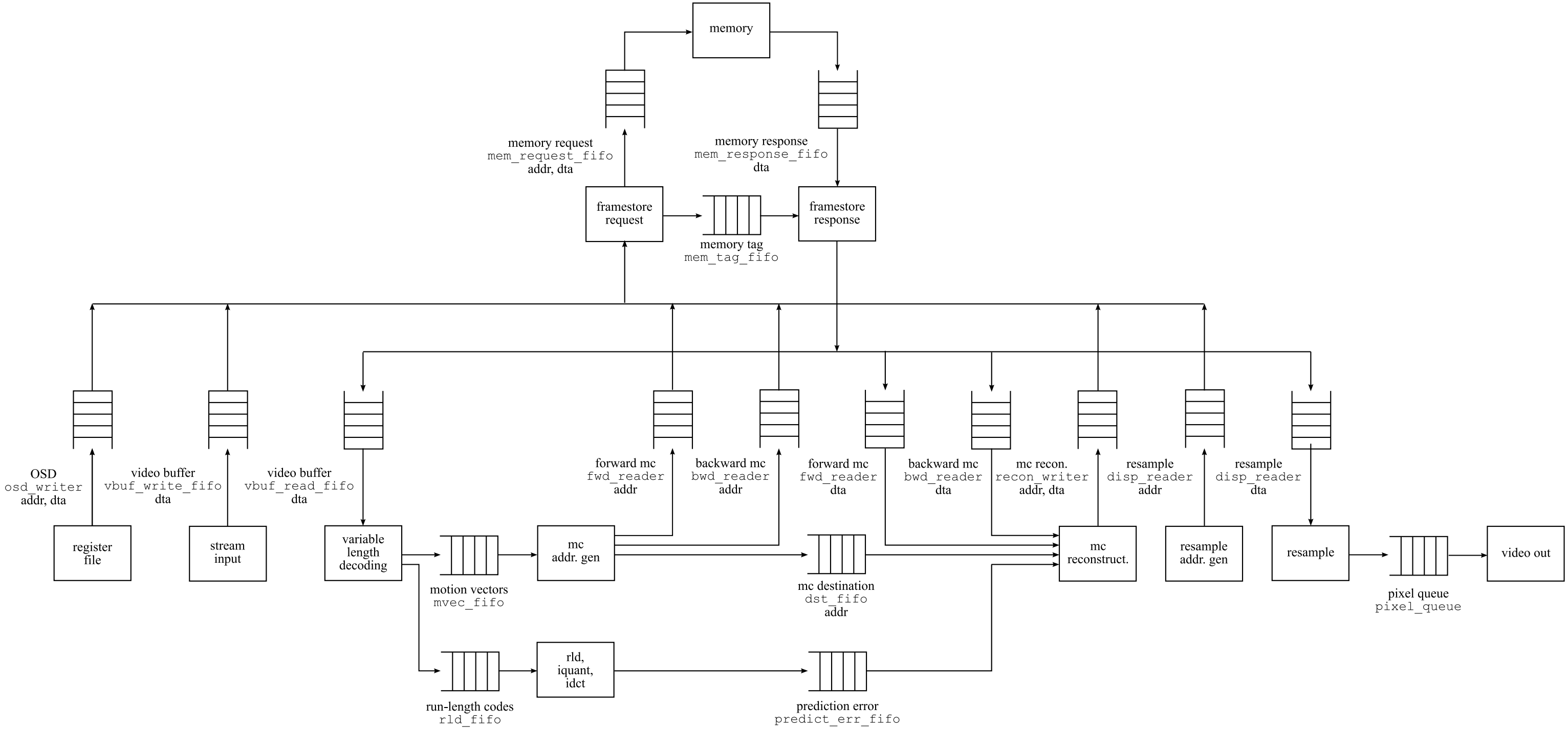
memory
memory request
mem_request_fifo
addr, dta
memory response
mem_response_fifo
dta
framestore
request
framestore
response
memory tag
mem_tag_fifo
OSD
osd_writer
addr, dta
video buffer
vbuf_write_fifo
dta
video buffer
vbuf_read_fifo
dta
forward mc
fwd_reader
addr
backward mc
bwd_reader
addr
forward mc
fwd_reader
dta
backward mc
bwd_reader
dta
mc recon.
recon_writer
addr, dta
resample
disp_reader
addr
resample
disp_reader
dta
register
file
stream
input
variable
length
decoding
motion vectors
mvec_fifo
mc
addr. gen
mc destination
dst_fifo
addr
mc
reconstruct.
resample
addr. gen
resample
pixel queue
pixel_queue
video out
run-length codes
rld_fifo
rld,
iquant,
idct
prediction error
predict_err_fifo