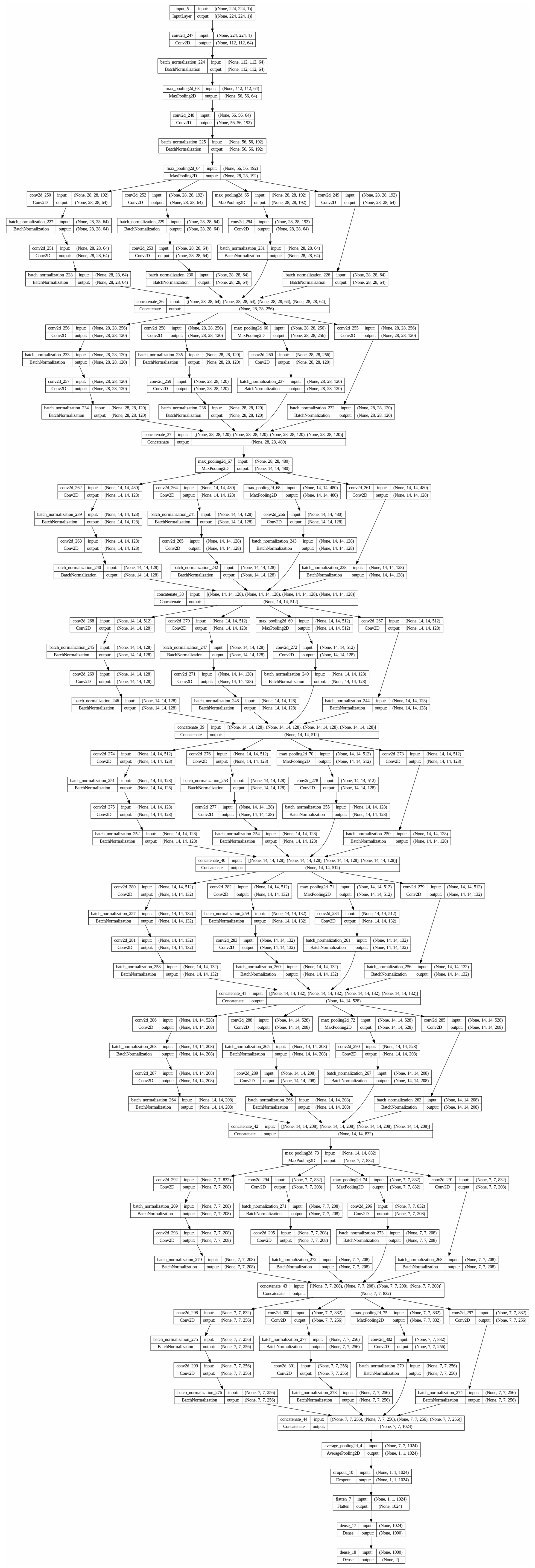
input_5 InputLayer input: [(None, 224, 224, 1)] output: [(None, 224, 224, 1)]
conv2d_247 Conv2D input: (None, 224, 224, 1) output: (None, 112, 112, 64)
batch_normalization_224 BatchNormalization input: (None, 112, 112, 64) output: (None, 112, 112, 64)
max_pooling2d_63 MaxPooling2D input: (None, 112, 112, 64) output: (None, 56, 56, 64)
conv2d_248 Conv2D input: (None, 56, 56, 64) output: (None, 56, 56, 192)
batch_normalization_225 BatchNormalization input: (None, 56, 56, 192) output: (None, 56, 56, 192)
max_pooling2d_64 MaxPooling2D input: (None, 56, 56, 192) output: (None, 28, 28, 192)
conv2d_250 Conv2D input: (None, 28, 28, 192) output: (None, 28, 28, 64)
conv2d_252 Conv2D input: (None, 28, 28, 192) output: (None, 28, 28, 64)
max_pooling2d_65 MaxPooling2D input: (None, 28, 28, 192) output: (None, 28, 28, 192)
conv2d_249 Conv2D input: (None, 28, 28, 192) output: (None, 28, 28, 64)
batch_normalization_227 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
batch_normalization_229 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
conv2d_254 Conv2D input: (None, 28, 28, 192) output: (None, 28, 28, 64)
conv2d_251 Conv2D input: (None, 28, 28, 64) output: (None, 28, 28, 64)
conv2d_253 Conv2D input: (None, 28, 28, 64) output: (None, 28, 28, 64)
batch_normalization_231 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
batch_normalization_228 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
batch_normalization_230 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
batch_normalization_226 BatchNormalization input: (None, 28, 28, 64) output: (None, 28, 28, 64)
concatenate_36 Concatenate input: [(None, 28, 28, 64), (None, 28, 28, 64), (None, 28, 28, 64), (None, 28, 28, 64)] output: (None, 28, 28, 256)
conv2d_256 Conv2D input: (None, 28, 28, 256) output: (None, 28, 28, 120)
conv2d_258 Conv2D input: (None, 28, 28, 256) output: (None, 28, 28, 120)
max_pooling2d_66 MaxPooling2D input: (None, 28, 28, 256) output: (None, 28, 28, 256)
conv2d_255 Conv2D input: (None, 28, 28, 256) output: (None, 28, 28, 120)
batch_normalization_233 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
batch_normalization_235 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
conv2d_260 Conv2D input: (None, 28, 28, 256) output: (None, 28, 28, 120)
conv2d_257 Conv2D input: (None, 28, 28, 120) output: (None, 28, 28, 120)
conv2d_259 Conv2D input: (None, 28, 28, 120) output: (None, 28, 28, 120)
batch_normalization_237 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
batch_normalization_234 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
batch_normalization_236 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
batch_normalization_232 BatchNormalization input: (None, 28, 28, 120) output: (None, 28, 28, 120)
concatenate_37 Concatenate input: [(None, 28, 28, 120), (None, 28, 28, 120), (None, 28, 28, 120), (None, 28, 28, 120)] output: (None, 28, 28, 480)
max_pooling2d_67 MaxPooling2D input: (None, 28, 28, 480) output: (None, 14, 14, 480)
conv2d_262 Conv2D input: (None, 14, 14, 480) output: (None, 14, 14, 128)
conv2d_264 Conv2D input: (None, 14, 14, 480) output: (None, 14, 14, 128)
max_pooling2d_68 MaxPooling2D input: (None, 14, 14, 480) output: (None, 14, 14, 480)
conv2d_261 Conv2D input: (None, 14, 14, 480) output: (None, 14, 14, 128)
batch_normalization_239 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_241 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_266 Conv2D input: (None, 14, 14, 480) output: (None, 14, 14, 128)
conv2d_263 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_265 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_243 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_240 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_242 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_238 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
concatenate_38 Concatenate input: [(None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128)] output: (None, 14, 14, 512)
conv2d_268 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
conv2d_270 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
max_pooling2d_69 MaxPooling2D input: (None, 14, 14, 512) output: (None, 14, 14, 512)
conv2d_267 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
batch_normalization_245 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_247 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_272 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
conv2d_269 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_271 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_249 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_246 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_248 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_244 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
concatenate_39 Concatenate input: [(None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128)] output: (None, 14, 14, 512)
conv2d_274 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
conv2d_276 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
max_pooling2d_70 MaxPooling2D input: (None, 14, 14, 512) output: (None, 14, 14, 512)
conv2d_273 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
batch_normalization_251 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_253 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_278 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 128)
conv2d_275 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
conv2d_277 Conv2D input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_255 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_252 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_254 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
batch_normalization_250 BatchNormalization input: (None, 14, 14, 128) output: (None, 14, 14, 128)
concatenate_40 Concatenate input: [(None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128), (None, 14, 14, 128)] output: (None, 14, 14, 512)
conv2d_280 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 132)
conv2d_282 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 132)
max_pooling2d_71 MaxPooling2D input: (None, 14, 14, 512) output: (None, 14, 14, 512)
conv2d_279 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 132)
batch_normalization_257 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
batch_normalization_259 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
conv2d_284 Conv2D input: (None, 14, 14, 512) output: (None, 14, 14, 132)
conv2d_281 Conv2D input: (None, 14, 14, 132) output: (None, 14, 14, 132)
conv2d_283 Conv2D input: (None, 14, 14, 132) output: (None, 14, 14, 132)
batch_normalization_261 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
batch_normalization_258 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
batch_normalization_260 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
batch_normalization_256 BatchNormalization input: (None, 14, 14, 132) output: (None, 14, 14, 132)
concatenate_41 Concatenate input: [(None, 14, 14, 132), (None, 14, 14, 132), (None, 14, 14, 132), (None, 14, 14, 132)] output: (None, 14, 14, 528)
conv2d_286 Conv2D input: (None, 14, 14, 528) output: (None, 14, 14, 208)
conv2d_288 Conv2D input: (None, 14, 14, 528) output: (None, 14, 14, 208)
max_pooling2d_72 MaxPooling2D input: (None, 14, 14, 528) output: (None, 14, 14, 528)
conv2d_285 Conv2D input: (None, 14, 14, 528) output: (None, 14, 14, 208)
batch_normalization_263 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
batch_normalization_265 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
conv2d_290 Conv2D input: (None, 14, 14, 528) output: (None, 14, 14, 208)
conv2d_287 Conv2D input: (None, 14, 14, 208) output: (None, 14, 14, 208)
conv2d_289 Conv2D input: (None, 14, 14, 208) output: (None, 14, 14, 208)
batch_normalization_267 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
batch_normalization_264 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
batch_normalization_266 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
batch_normalization_262 BatchNormalization input: (None, 14, 14, 208) output: (None, 14, 14, 208)
concatenate_42 Concatenate input: [(None, 14, 14, 208), (None, 14, 14, 208), (None, 14, 14, 208), (None, 14, 14, 208)] output: (None, 14, 14, 832)
max_pooling2d_73 MaxPooling2D input: (None, 14, 14, 832) output: (None, 7, 7, 832)
conv2d_292 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 208)
conv2d_294 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 208)
max_pooling2d_74 MaxPooling2D input: (None, 7, 7, 832) output: (None, 7, 7, 832)
conv2d_291 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 208)
batch_normalization_269 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
batch_normalization_271 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
conv2d_296 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 208)
conv2d_293 Conv2D input: (None, 7, 7, 208) output: (None, 7, 7, 208)
conv2d_295 Conv2D input: (None, 7, 7, 208) output: (None, 7, 7, 208)
batch_normalization_273 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
batch_normalization_270 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
batch_normalization_272 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
batch_normalization_268 BatchNormalization input: (None, 7, 7, 208) output: (None, 7, 7, 208)
concatenate_43 Concatenate input: [(None, 7, 7, 208), (None, 7, 7, 208), (None, 7, 7, 208), (None, 7, 7, 208)] output: (None, 7, 7, 832)
conv2d_298 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 256)
conv2d_300 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 256)
max_pooling2d_75 MaxPooling2D input: (None, 7, 7, 832) output: (None, 7, 7, 832)
conv2d_297 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 256)
batch_normalization_275 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
batch_normalization_277 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
conv2d_302 Conv2D input: (None, 7, 7, 832) output: (None, 7, 7, 256)
conv2d_299 Conv2D input: (None, 7, 7, 256) output: (None, 7, 7, 256)
conv2d_301 Conv2D input: (None, 7, 7, 256) output: (None, 7, 7, 256)
batch_normalization_279 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
batch_normalization_276 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
batch_normalization_278 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
batch_normalization_274 BatchNormalization input: (None, 7, 7, 256) output: (None, 7, 7, 256)
concatenate_44 Concatenate input: [(None, 7, 7, 256), (None, 7, 7, 256), (None, 7, 7, 256), (None, 7, 7, 256)] output: (None, 7, 7, 1024)
average_pooling2d_4 AveragePooling2D input: (None, 7, 7, 1024) output: (None, 1, 1, 1024)
dropout_10 Dropout input: (None, 1, 1, 1024) output: (None, 1, 1, 1024)
flatten_7 Flatten input: (None, 1, 1, 1024) output: (None, 1024)
dense_17 Dense input: (None, 1024) output: (None, 1000)
dense_18 Dense input: (None, 1000) output: (None, 2)