

| | | |
|-------------------------|---------|-------------------|
| input_depth: InputLayer | input: | (None, 1, 96, 96) |
| | output: | (None, 1, 96, 96) |



| | | |
|----------------------------|---------|--------------------|
| input_depth_1_conv: Conv2D | input: | (None, 1, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|--------------------------------------|---------|--------------------|
| input_depth_1_bn: BatchNormalization | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|-------------------------------|---------|--------------------|
| input_depth_1_act: Activation | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|----------------------------|---------|--------------------|
| input_depth_2_conv: Conv2D | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|--------------------------------------|---------|--------------------|
| input_depth_2_bn: BatchNormalization | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|-------------------------------|---------|--------------------|
| input_depth_2_act: Activation | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|----------------------------|---------|--------------------|
| input_depth_3_conv: Conv2D | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|--------------------------------------|---------|--------------------|
| input_depth_3_bn: BatchNormalization | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|-------------------------------|---------|--------------------|
| input_depth_3_act: Activation | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 96, 96) |



| | | |
|---------------------------|---------|--------------------|
| main_1_pool: MaxPooling2D | input: | (None, 24, 96, 96) |
| | output: | (None, 24, 32, 32) |



| | | |
|---------------------|---------|--------------------|
| main_2_conv: Conv2D | input: | (None, 24, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|-------------------------------|---------|--------------------|
| main_2_bn: BatchNormalization | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|------------------------|---------|--------------------|
| main_2_act: Activation | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|---------------------|---------|--------------------|
| main_3_conv: Conv2D | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|-------------------------------|---------|--------------------|
| main_3_bn: BatchNormalization | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|------------------------|---------|--------------------|
| main_3_act: Activation | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|---------------------|---------|--------------------|
| main_4_conv: Conv2D | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|-------------------------------|---------|--------------------|
| main_4_bn: BatchNormalization | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|------------------------|---------|--------------------|
| main_4_act: Activation | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 32, 32) |



| | | |
|---------------------------|---------|--------------------|
| main_5_pool: MaxPooling2D | input: | (None, 48, 32, 32) |
| | output: | (None, 48, 16, 16) |



| | | |
|---------------------|---------|--------------------|
| main_6_conv: Conv2D | input: | (None, 48, 16, 16) |
| | output: | (None, 64, 14, 14) |



| | | |
|-------------------------------|---------|--------------------|
| main_6_bn: BatchNormalization | input: | (None, 64, 14, 14) |
| | output: | (None, 64, 14, 14) |



| | | |
|------------------------|---------|--------------------|
| main_6_act: Activation | input: | (None, 64, 14, 14) |
| | output: | (None, 64, 14, 14) |



| | | |
|---------------------|---------|--------------------|
| main_7_conv: Conv2D | input: | (None, 64, 14, 14) |
| | output: | (None, 64, 12, 12) |



| | | |
|-------------------------------|---------|--------------------|
| main_7_bn: BatchNormalization | input: | (None, 64, 12, 12) |
| | output: | (None, 64, 12, 12) |



| | | |
|------------------------|---------|--------------------|
| main_7_act: Activation | input: | (None, 64, 12, 12) |
| | output: | (None, 64, 12, 12) |



| | | |
|---------------------------|---------|--------------------|
| main_8_pool: MaxPooling2D | input: | (None, 64, 12, 12) |
| | output: | (None, 64, 6, 6) |



| | | |
|---------------------------|---------|------------------|
| output_1_flatten: Flatten | input: | (None, 64, 6, 6) |
| | output: | (None, 2304) |



| | | |
|---------------------------|---------|--------------|
| output_2_dropout: Dropout | input: | (None, 2304) |
| | output: | (None, 2304) |



| | | |
|-----------------------|---------|--------------|
| output_2_dense: Dense | input: | (None, 2304) |
| | output: | (None, 512) |



| | | |
|--------------------------|---------|-------------|
| output_2_act: Activation | input: | (None, 512) |
| | output: | (None, 512) |



| | | |
|---------------------------|---------|-------------|
| output_3_dropout: Dropout | input: | (None, 512) |
| | output: | (None, 512) |



| | | |
|-------------------------------|---------|-------------|
| output_3_dense_and_act: Dense | input: | (None, 512) |
| | output: | (None, 1) |