```
VideoResNet(
  (stem): R2Plus1dStem(
    (0): Conv3d(3, 45, kernel_size=(1, 7, 7), stride=(1, 2, 2),
padding=(0, 3, 3), bias=False)
    (1): BatchNorm3d(45, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
    (2): ReLU(inplace=True)
    (3): Conv3d(45, 64, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
    (4): BatchNorm3d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
    (5): ReLU(inplace=True)
  )
  (layer1): Sequential(
    (0): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(64, 144, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(144, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(144, 64, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(64, 144, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(144, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(144, 64, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
    (1): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(64, 144, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
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          (1): BatchNorm3d(144, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(144, 64, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(64, 144, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(144, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(144, 64, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(64, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
  )
  (layer2): Sequential(
    (0): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(64, 230, kernel_size=(1, 3, 3), stride=(1, 2, 2),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(230, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(230, 128, kernel_size=(3, 1, 1), stride=(2, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(128, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(128, 230, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(230, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
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          (3): Conv3d(230, 128, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(128, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (downsample): Sequential(
        (0): Conv3d(64, 128, kernel_size=(1, 1, 1), stride=(2, 2, 2),
bias=False)
        (1): BatchNorm3d(128, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
    (1): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(128, 288, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(288, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(288, 128, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(128, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(128, 288, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(288, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(288, 128, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(128, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
  )
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  (layer3): Sequential(
    (0): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(128, 460, kernel_size=(1, 3, 3), stride=(1, 2, 2),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(460, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(460, 256, kernel_size=(3, 1, 1), stride=(2, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(256, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(256, 460, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(460, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(460, 256, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(256, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (downsample): Sequential(
        (0): Conv3d(128, 256, kernel_size=(1, 1, 1), stride=(2, 2, 2),
bias=False)
        (1): BatchNorm3d(256, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
    (1): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(256, 576, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(576, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(576, 256, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(256, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
```

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        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(256, 576, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(576, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(576, 256, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(256, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
  )
  (layer4): Sequential(
    (0): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(256, 921, kernel_size=(1, 3, 3), stride=(1, 2, 2),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(921, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(921, 512, kernel_size=(3, 1, 1), stride=(2, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(512, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(512, 921, kernel_size=(1, 3, 3), stride=(1, 1, 1),
padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(921, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(921, 512, kernel_size=(3, 1, 1), stride=(1, 1, 1),
padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(512, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (downsample): Sequential(
```

```
        (0): Conv3d(256, 512, kernel_size=(1, 1, 1), stride=(2, 2, 2),
bias=False)
        (1): BatchNorm3d(512, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
    (1): BasicBlock(
      (conv1): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(512, 1152, kernel_size=(1, 3, 3), stride=(1, 1,
1), padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(1152, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(1152, 512, kernel_size=(3, 1, 1), stride=(1, 1,
1), padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(512, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
        (2): ReLU(inplace=True)
      )
      (conv2): Sequential(
        (0): Conv2Plus1D(
          (0): Conv3d(512, 1152, kernel_size=(1, 3, 3), stride=(1, 1,
1), padding=(0, 1, 1), bias=False)
          (1): BatchNorm3d(1152, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
          (2): ReLU(inplace=True)
          (3): Conv3d(1152, 512, kernel_size=(3, 1, 1), stride=(1, 1,
1), padding=(1, 0, 0), bias=False)
        )
        (1): BatchNorm3d(512, eps=1e-05, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (relu): ReLU(inplace=True)
      (quant): QuantStub()
      (dequant): DeQuantStub()
      (ff): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
  )
  (avgpool): AdaptiveAvgPool3d(output_size=(1, 1, 1))
  (fc): Sequential(
    (0): Dropout(p=0.5, inplace=False)
    (1): Linear(in_features=512, out_features=10, bias=True)
  )
  (quant): QuantStub()
  (dequant): DeQuantStub()
)
```