



Introduction



Developed by Visual Geometry Group (VGG) by Oxford University in 2014.



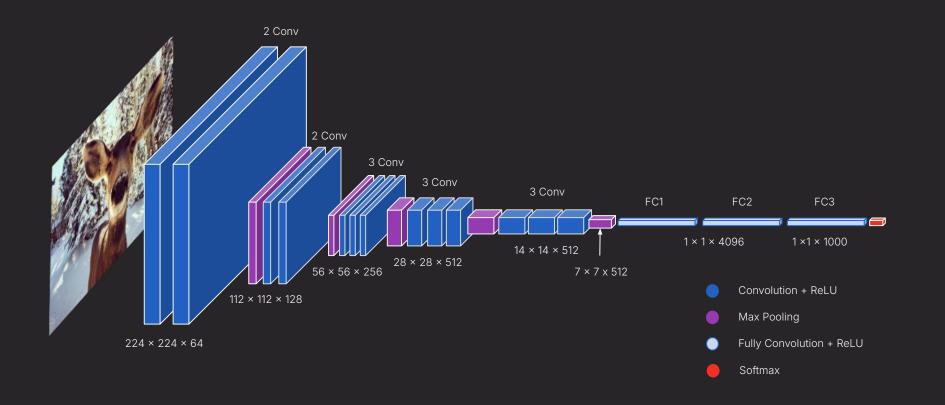
Won ImageNet Large Scale Visual Recognition Challenge (ILSVRC) in 2014.



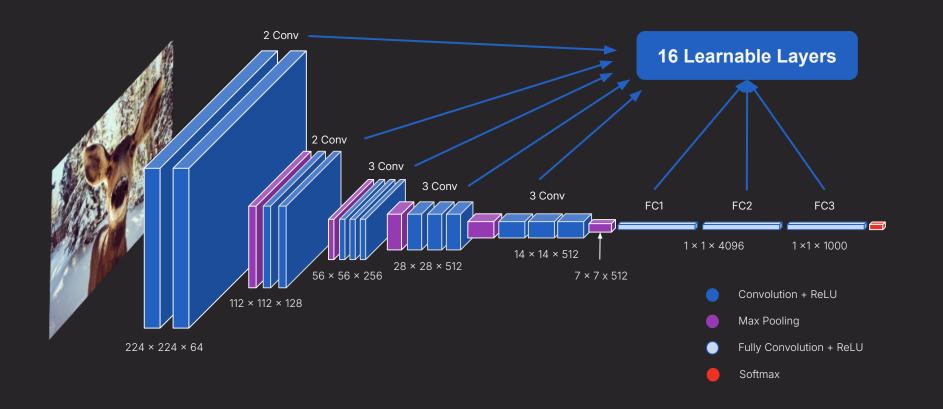
VGG Architecture exemplifies depth and simplicity in network design.

Popular Variants: VGG16 and VGG19.



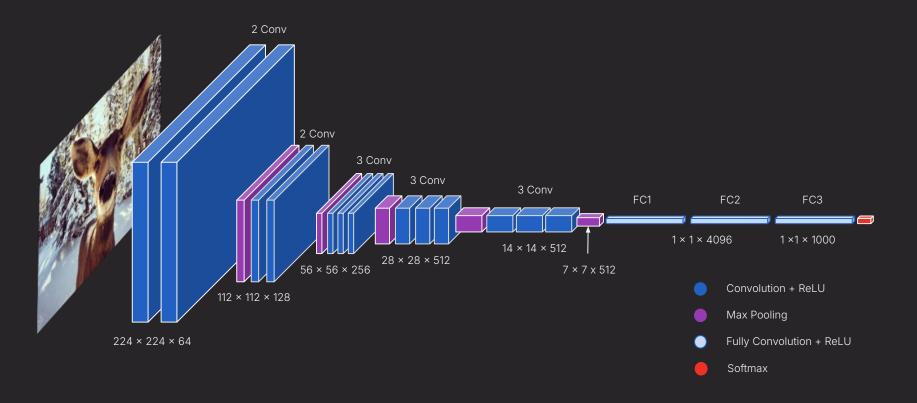






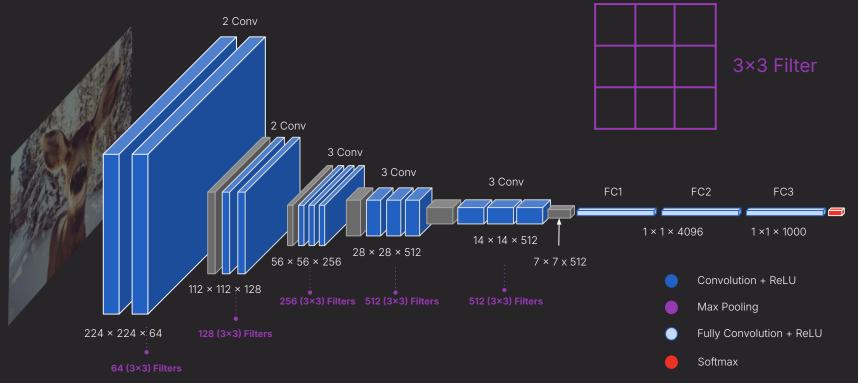


• 13 Convolutional Layers and 3 Fully Connected Layer.



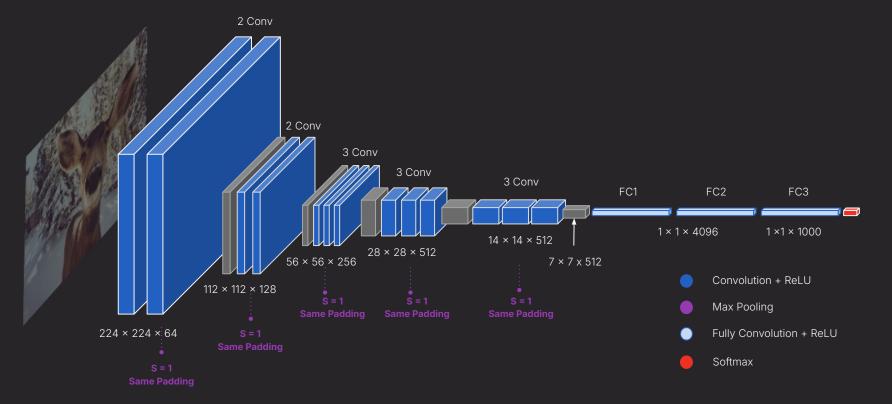


Uses 3×3 filter throughout.



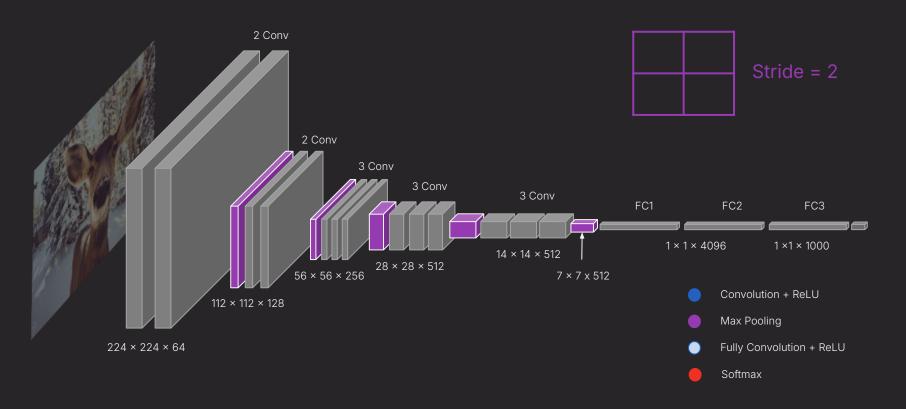


Uses a Stride of 1 and same padding throughout.



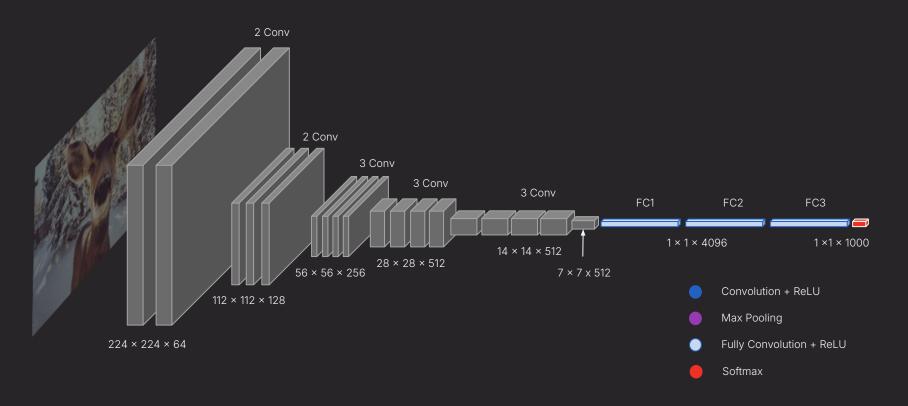


5 Max Pooling layers that acted as downsampling filters.



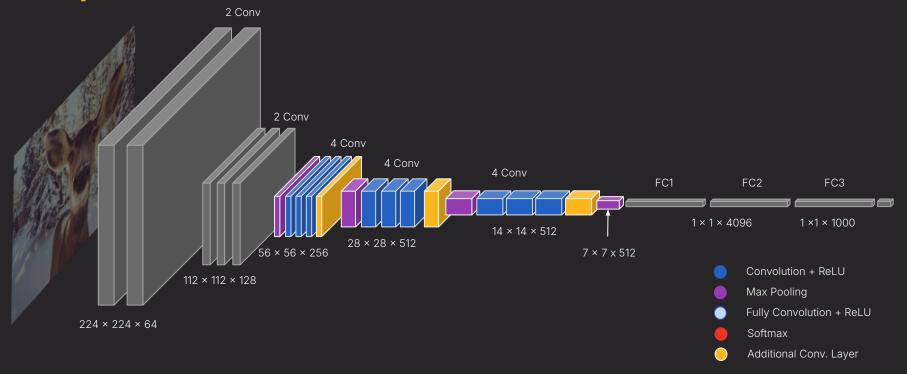


3 fully connected layers culminate into a softmax layer that classified images.





VGG19 features the same VGG16 architecture but with 3 additional convolutional layers.





UpNext: Hands-on