iMac Pro 2017 Technical Specifications

Display
27-inch (diagonal) Retina 5K display
5120-by-2880 resolution with support for one billion colors
500 nits brightness

Processor
18-Core
2.3GHz Intel Xeon W
Turbo Boost up to 4.3 GHz
42.75MB cache

Graphics
Vega 56
Radeon pro Vega 56 graphics processor with 8 GB OF HBM2 memory
56 compute units
3584 stream processors
9 teraflops single precision
18 teraflops half precision

Memory
128GB of 26666MHz DDR4 ECC memory

Storage
4 TB SSD

Video Support and Camera
1080p FaceTime HD camera
Simultaneously supports full native resolution on the built-in display at 1 billion colors and:
Two 5120-by-2880 (5K) external displays at 60Hz with support for 1 billion colors, or
Four 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colors, or
Four 4096-by-2304 (4K) external displays at 60Hz with support for millions of colors
Support for extended desktop and video mirroring modes
Thunderbolt 3 digital video output
Native DisplayPort output over USB-C
Thunderbolt 2, HDMI, DVI, and VGA output supported using adapters (sold separately)

Connections and Expansion

Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector
SDXC card slot with support for UHS-II
Four USB 3 ports
Four Thunderbolt 3 (USB-C) ports with support for:
DisplayPort 1.2
Thunderbolt (up to 40Gb/s)
USB 3.1 Gen 2 (up to 10Gb/s)
Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)

Electrical and Operating Requirements

Line voltage: 100-240V AC
Frequency: 50Hz to 60Hz, single phase
Operating temperature: 50° to 95° F (10° to 35° C)
Relative humidity: 5% to 95% noncondensing
Operating altitude: tested up to 16,400 feet (5000 meters)