



711.07831 REV 14 – OneView Camera PC System (no In-Situ)

Manufacturer:

Dell

Model:

Precision T7920

Base Unit:	Precision 7920 Tower Workstation, (210-AMRM, 321-BGVK, 329-BBJL, 389-CGHR)
Processor:	(2) Intel Xeon Gold 6230R, 26 cores, 2.1 GHz, 35.75 Mb L3 cache, 10.4 GT/s, 150W, 4.0 GHz Turbo, air heat pipe (338-BWPV, 338-BWSW, 575-BBPB, 412-AALD, 412-AALE)
Memory:	32 Gb, DDR4 RDIMM, 2933 MHz, ECC; (4) 8 Gb DIMMs (370-AESW)
Video Card:	(1) nVidia T1000, 4 Gb GDDR6, 896 CUDA Cores, PCIe v3 x16, 50W with (4) mDP v1.4 connections, (4) mDP to DP adapters (490-BGXV)
Monitor:	(1) 32" Widescreen flat panel Ultra HD display, 3840x2160, HDMI/DP connections, 2m DP-DP cable, 3 years Advanced Exchange Service: U3223QE (210-BDPH, 844-1960, 844-1966) or P3223QE (210-BDQC, 844-1960, 844-1966)
HD Configuration:	Intel NVMe PCIe SSD, Front PCIe FlexBay (414-BBBV, 411-XXYB)
Hard Drives:	(2) 256 Gb, NVMe, Class 40, Solid State, M.2 form factor (401-ABJS, 400-AVDR)
HD RAID:	Intel VROC, RAID 0, (1) 512 Gb logical drive (780-BCIJ, 780-BCIP)
HD Controller:	Intel Integrated RST-e for front FlexBay NVMe drives (321-BDFD, 321-BDFE)
Optical Drive:	8x DVD +/-RW, Slimline, SATA (325-BCTX, 429-ABDW, 658-BBTV)
Power Supply:	1400 W, 90% efficiency (470-AATC)
Energy Efficiency:	Not Energy Star qualified (387-BBBE)
Operating System:	Windows 10 Professional for Workstations, 64-Bit, 6 cores plus, with Windows 11 Pro license, English (619-AQEC)
Network Adapter:	Integrated Intel (1) i219 & (1) i210 Gigabit Ethernet controllers
Keyboard:	US English (QWERTY), KB216, wired USB, black (580-ADJC)
Mouse:	MS116 Optical LED tracking, wired USB, 2 buttons, scroll wheel, black (570-ABIE)
Speakers:	Internal
System Recovery:	Precision Resource DVD (430-XYMF)
Expansion Slots:	1 PCIe x8, Gen 3, open ended connector, CPU 0 2 PCIe x16, Gen 3, 75W, CPU 0 (occupied by Video card) 3 PCIe x16, Gen 3, wired as x1, CPU 0 4 PCIe x16, Gen 3, 75W, CPU 0 5 PCIe x16, Gen 3, wired as x4, can accommodate double width card, CPU 0 6 PCIe x16, Gen 3, 75W, can accommodate double width card, CPU 1 7 PCIe x16, Gen 3, 75W, CPU 1
I/O Ports:	Front: (2) USB 3.1 Type A, (2) USB 3.1 Type C, (1) universal audio, (1) SD Rear: (6) USB 3.1 Type A, (2) RJ45, (1) PS/2 keyboard, (1) PS/2 mouse, (1) Serial, (1) Audio line-in, (1) Audio line-out
Service:	3 years ProSupport with NBD Onsite Service (989-3449, 997-5852, 997-5877, 997-5893)
Documentation:	Placemat 7920 Tower (340-BVYE)

Notes:

- GMS software version 3.2.0 (or newer) is required for support of acquisition equipment in the Windows 10 environment.
- If the specific hardware device configuration requires more expansion slots than what is available on the motherboard, an Expansion Enclosure System will also need to be purchased:
PCI Express to 2 PCI & 2 PCIe Expansion Enclosure System – Full Length. **Gatan p/n# 101780** (StarTech #PEX2PCIE4L)
- If the monitor, keyboard and mouse need to be located farther from the computer case than would be permitted by standard 2m cabling provided by Dell, an optional 10m Ultra HD monitor cable bundle may be purchased:
(10m) DP 1.2/1.3 Active Optical cable, (10m) USB 2.0 A male to B male Active cable, (12.2m) 250V power cord. **Gatan p/n# 711.27000**
- When purchased from Gatan, this system is also provided with (1) USB 3 to RJ45 Gigabit Ethernet adapter. **Gatan p/n# 106582**
- When purchased from Gatan, this system is also provided with (1) USB A female to USB B female adapter. **Gatan p/n# 109295**

Important: Check with the Software group and Marketing before changing this specification.