Technical Specifications

LOT 1

Items to be Supplied	Quantity	Description / Specifications of Goods	Latest Delivery Date
Video processing workstation *	**2 pieces**	Case: ~~Rack-mount or Tower form-factor with rack shelf support and required tower to rack, conversion options included~~ Tower form-factor with rack shelf support and required options included	**30 November 2014**
		Chipset: iAMT 8 supported C602 chipset compatible, PCI Express 2.0, PCI Express 2 x4, 4 x2, 8 x1, USB 2.0 support, 2x SATA 6Gbps, Intel® Virtualization Technology for Directed I/O (VT-d), vPro Technology, Remote PC Assist Technology, iMST, iRST, iRSTe Technologies	
		CPU: 1x E5-1660 v2 CPU, integrated 4-channel DDR3 memory controller 6 cores, 12 threads, 15 MB cache,	
		Memory: 32 GB DDR3, RDIMM, ECC	
		Memory sockets: Min. eight 240-pin DIMM sockets	
		Onboard drive controllers: Four SATA connectors via integrated Advanced Host Controller Interface (AHCI) in chipset; - Two SATA 6.0Gb/s - Two SATA 3.0Gb/s RAID 0, 1 support	
		Hard drives: 3.5" Hybrid: SATA 6.0Gb/s, 7200 rpm, integrated 8GB NAND flash 2x 3.5" SATA: SATA 6.0Gb/s, 7200 rpm, 3 TB (in Raid 0)	
		Optical Drive: DVD±RW, SATA	
		Drive Bays: Two external 5.25" bays for optical's, three internal 3.5" bays for hard drives	
		Media reader: Min. SD, CF ½, HC, XC, UHS-I media card reader	
		Graphic adapter: Similar to Quadro 2000 graphics with min. 192 CUDA processors core, 1GB DDR5 Memory size, 2 x DisplayPort, min. 2 monitor support via DisplayPort	
		Capture card *: DeckLink 4K Extreme, by Blackmagic design	
		Audio: HD	
		Ethernet: GE	
		Front ports: Two USB, microphone (3.5mm), headphone (3.5mm)	
		Rear ports: Eight USB 2.0, two USB 3.0, one serial (9-pin), one Ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)	
		Speaker: Stereo external, 5W	
		Keyboard: (Lat/Cyr USB *104 key (same brand and color as workstation)*	
		Mouse: Optical wheel mouse, USB, *(same brand and color as workstation)*	
		Security chip: STMicroelectronics for TPM function, TCG 1.2-compliant, Side cover lock with two keys, Padlock loop, Security slot including Kensington® cable to prohibits side cover removal, Boot without keyboard, mouse	
		Expansion slots: Min. 3 Slots: full-length, full-height, PCIe 3.0 x16 1 Slot: full-length, full-height, 32-bit PCI 2.3 1 Slot: half-length, full-height, PCIe 2.0 x4	

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		Power supply: Min. 600 watts, smart fan (variable speed)	
		Monitor: LED backlit LCD Monitor, 28", supported resolution 3840x2160, brightness min. 270 cd/m2, Contrast ratio: 1000:1, Refresh time 5 ms. Tilt stand.	
		OS: Win7 Professional 64 bits, English, restore media included	
		Warranty: 3 years on parts and labor on-site warranty for offered products	
Video capture software *	2 pieces	METUS INGEST capture, transcoding and streaming software	**30 November 2014**
Server video streaming	1 piece	**Form factor/height:** Rack 1U	**30 November 2014**
		Processor: 1x E3-1270v3 \ 1600 MHz	
		Cache: 8 MB L3	
		Memory: 32GB, 4x8GB ECC DDR3 UDIMM	
		Expansion: One PCIe x8, one PCIe x4 for hardware RAID-0, -1	
		Disk bays x HDD: 2 bays, 2 x 2,5" SAS, 10K 300GB	
		RAID: Hardware RAID -0, 1, 10	
		Network interface: Dual Gigabit Ethernet	
		Ports front: Min. 2 x USB	
		Ports back: Min. 4 x USB, 1 x video, 1 x serial	
		Power supply: 2 x min. 460W redundant PSU	
		Operating systems: Windows Server 2012 R2	
		Warranty: 3-years NBD	

LOT 2

Items to be Supplied	Quantity	Description / Specifications of Goods	Latest Delivery Date
PTZ video camera *	**2 pieces**	Model: Sony BRCZ330	**30 November 2014**
		Warranty: At least 2 years	

*) For standardization purposes, in order to ensure compatibility of the required items with the existing equipment, UNDP requires the exact make and model indicated above.