Addendum #2  
Bid # 20-6601  
ISD709 Video Security Equipment

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. We have recently been made aware that there is a replacement/upgraded part number for the Rack Servers. The upgraded Panasonic part number is NVR-R-2-144TB-V2. A spec sheet is attached.

2. The following manufacturer part numbers have been designated as approved equals as of 10/23/2020:
   - Hanwha:
     - XNV-9082R (conditional – must include Panasonic Video Insight license Mfg Part: IPSVC-UL)
     - SBP-187HMW (Cap)
     - SBP-300WMW1 (Arm)
     - QND-8080R (conditional – must include Panasonic Video Insight license Mfg Part: IPSVC-UL)
     - SHD-1198FW
   - Seagate ST6000VXA01 as an alternative for the Western Digital Purple WD60PURZ-85ZUFY1.
   - Western Digital WDBGKN0060HNC-WRSN for the WD60PURZ-85ZUFY1.

3. Bids are due by 2:00 pm this Thursday, October 29, 2020. **If you are planning to drop off your bid, please contact purchasing@duluthmn.gov or call 218-730-5003 by 5:00 pm on Wednesday.** City Hall access is currently limited due to the pandemic.

Please acknowledge receipt of this Addendum by initialing and dating Addendum #2 below the bid form on the invitation for bids.

Posted: **10/26/2020**
RACK - NVR | SR3E-C | NVR-R-2 (96TB - 224TB)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TOTAL STORAGE</th>
<th>USABLE STORAGE</th>
<th>RAM</th>
<th>PROCESSOR</th>
<th>POWER SUPPLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVR-R-2-96TB-V2</td>
<td>96TB (8 x 12TB)</td>
<td>84TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-112TB-V2</td>
<td>112TB (7 x 16TB)</td>
<td>96TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-128TB-V2</td>
<td>128TB (8 x 16TB)</td>
<td>112TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-144TB-V2</td>
<td>144TB (9 x 16TB)</td>
<td>128TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-176TB-V2</td>
<td>176TB (11 x 16TB)</td>
<td>160TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-208TB-V2</td>
<td>208TB (13 x 16TB)</td>
<td>192TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
<tr>
<td>NVR-R-2-224TB-V2</td>
<td>224TB (14 x 16TB)</td>
<td>208TB</td>
<td>32GB</td>
<td>DUAL</td>
<td>DUAL</td>
</tr>
</tbody>
</table>

- To meet total storage, individual HDD size and quantity may be subject to change.
- Total usable storage is calculated based on advertised HDD size, not OS recognition.
- Usable storage size may vary slightly.

**PRELOADED NETWORK VIDEO RECORDER – RACK SERVER**

- VI Server License Included
- VI Software Installed And Activated
- Fully Configured And Tested
- Unlimited Software Updates For Installed Video Insight Software Licenses
- The “Plug & Play” NVR Is Ready for Out-Of-The-Box Deployment
- Pro Level, 3-Year Dell Next Business Day On-site Service (After Remote Diagnosis By i-PRO Support Team)
- Recommended Use Case | 300–600Mbs Recording Rate Performance | 1Gbs Network
- Recommended Use Case | 600–1000Mbs Recording Rate Performance | 10Gbs Network

**SERVER SPECIFICATIONS**

**PROCESSOR**
2x Intel Xeon Silver Octa Core / Sixteen Threads

**MEMORY**
32GB ECC

**I/O SLOTS**
Up to 8 x Gen3 Slots

**OPTICAL DRIVE**
No

**DRIVE BAY**
16 x 3.5” Drive

**RAID LEVEL**
RAID5 (Perc H730)

**IDRAC**
iDRAC9, Enterprise

**EMBEDDED NIC**
1GBE Dual Port + 10GBE Dual Port

**POWER SUPPLY**
2x 750W Power Supply Hot Swap

**SECURITY**
On-board Encryption | TPM

**OPERATING SYSTEM**
Windows Server Standard

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Keyboard and Mouse</td>
<td>Intel Onboard Graphics</td>
</tr>
</tbody>
</table>

**VIDEO OUTPUT**
VGA

**WEIGHT**
73 lbs.

**DIMENSIONS**
2U Rack Mount:
(H) 3.4”, (W) 17.1”, (D) 29.0”
(Dimensions Do Not Account For Bezel)

**HDD BAYS USED VS OPEN**
Listed
OS on (2 x 1TB) 2.5” Drive

**WARRANTY**
Pro Level, 3-Year Dell Next Business Day On-site Service (After Remote Diagnosis By i-PRO Support Team)

**MONITOR**
Not Included

- Rear drives - If unit supported, are special order and will require extra configuration time.
- Dell warranty will not cover issues arising from non-Dell parts, including third-party drives.
- No returns accepted after 30 days from invoice date.
- Recommended use case based on overall system throughput.
- Static rails included.

surveillance.i-pro.com/products/nvrs
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