

10-057 Security Cameras Questions and Answers

1. The bid discusses “connections to university supplied data port and power”. Are the data terminations and power going to be supplied for us at the camera or do we need a jumper to get to a closet where we have a place on a switch there for us? **University will be providing data and power to the general location of the camera location as required. Vendor will be responsible for hooking onto the supplied data and power.**
2. As per above statement, what about the exterior locations of the ptz’s such as poles in a parking lot. Are you going to supply connection and power there for us also? **University will be providing data and power to the general location of the camera location as required. Vendor will be responsible for hooking onto the supplied data and power.**
3. As per above statements, do we supply the power supplies for the cameras? **Yes.**
4. In Attachment 1, Section H it states that Austin Peay Univ. will supply a data port and power to designated camera locations. Sections J states it will be the responsibilities of the successful bidder to install all cameras, wall penetrations, repair to original condition.
 - Will the University run the camera cable to the locations near where the cameras are to be installed or are you just supplying a data port and power connections FOR the cameras, from your main telecommunications room? **Yes**
 - Your RFQ asks for cost of installation for additional cameras, depending on your answer to the above will the University also run the necessary cabling for additional cameras? **Yes**
5. In the RFQ document E. Cameras, it suggested BOSCH Autodome PTZ and BOSCH NW-0455 for outdoor PTZ and indoor cameras, but in C. Locations 9, 11, 12, you asked outside static cameras. Do you have any brand/model# for outside static cameras for reference? **Same camera or equal.**
6. In the RFQ document D. Software, what software are you currently using? **Not Applicable**
7. *From Attachment-1, C, on page-9:* Where can the “attached campus map and building layouts” be located? **It is located at www.apsu.edu/purchasing under “bid listings” under the bid number 10-057 Security Camera Maps**
8. *From Attachemen-1,E, page-10:* The specifications call for a Bosch PTZ and fixed cameras. These cameras are an interlaced scan camera (an analog camera with an on-board encoder). Is this the quality and type of camera desired? Or is the intent to provide a true-IP camera with a progressive scan imager?

Answer: We will stay with the model stated. However, if the vendor chooses to offer an alternative that is “better” or best meets our needs we can review that at the time of the bid review.

9. *From Attachemnt-1, D, page-10:* Please clarify the intent of the statement “The language on the software must be negotiable or the provider must sign the university's omnibus”.

Either the pro forma signed or the university’s omnibus must be signed no exceptions.

10. *From Attachemnt-1, G, page-10:* Please clarify the intent of the statement “Vendor should include a copy of any license agreement in their bid packet and state what clauses are non-negotiable. University reserves the right to reject any bid that does not include a copy of the agreement or the agreement is not negotiable.”

Either the pro forma signed or the university’s omnibus must be signed no exceptions.

11. *From Attachemnt-1, D, page-10:* Please answer the following questions regarding software. Regarding the statement “The software must be able to monitor and store multiple camera locations”. How many cameras must the system support initially?

It would be safe to assume that the number of cameras that the camera must be monitored would at least be equal to the number of cameras listed on the RFQ. Then, if the software can handle more, the range should be stated.

12. Regarding the statement “and to expand as additional IP cameras are added”. How many cameras must the system be able to be expanded to?

Unknown at this time. Depends on funding and current camera/equipment failure.

13. What compression method, resolution and frame rate must the system support?

Frame rate 2 frames/sec, Compression method and Resolution would be based upon the camera and software the vendor is recommending.

14. Regarding the statement “The purchase and installation of software to monitor and record IP cameras on a network server (purchased and provided by the University subject to the specifications of the software)”: The cost and type of computer hardware can vary drastically based on the compression method, resolution, frame rate, scene detail, scene activity, recording duration and amount of motion activity. Different software and camera solutions will deliver different results even using the same scenes. Please clarify exactly what parameters you require from the software and camera hardware.

We realize that the parameters may not be specific or defined but because of the different locations of the cameras and different purposes of the cameras one set of parameters are not possible. However, the 2fps is the image rate.

15. Networking questions:

- What is your network architecture and available bandwidth? **Bandwidth 100mbps from device to building network equipment. 1 gbps from building to core. Architecture cisco switched Ethernet NOTE: Ft. Campbell connects to main campus with a 4 T1s bonded together (6.14mbps)**
- Will VLAN's be used to segment the video from the rest of the network? **Can be done, discussion will be had with successful bidder.**
- Where will the NVR's (Network Video Recorder) be located as it pertains to the network? **May be located at the optimum location based upon successful bidder recommendation.**
- Does your existing network support multicast? **Yes**
- What is your anticipated bandwidth impact? Are there other systems that this may impact? **Unknown**
- Are the network connections POE (Power-Over-Ethernet) and if so what class? **Yes, up to class 3.**

16. Is this system required to integrate into your existing campus access control and security management system? If please clarify to exactly what level/features. **No**

17. Clients:

- How many clients are required for the initial install? **20**
- Will the client software be installed by the integrator or by the university IT department? **The initial install will be by the vendor.**
- How many clients will be implemented in the future? **Unknown**
- How will the clients be used? To view some cameras live, all cameras live, some cameras recorded, etc.? **Some cameras live. Rarely if ever, will all cameras be monitored at the same time.**
- Do the clients require a joystick for PTZ control or is mouse control acceptable? **No**

18. What are the available lighting levels (in lux or foot candles) for the cameras, both indoor and outdoor? **Unknown because of the diverse locations.**

19. What are the desired FOV (Field-of-View) for the cameras angle and distance? **2.7 to 48**

20. What is the desired PPF (Pixels-Per-Foot) resolution of the images? **Unknown**

21. Is this project prevailing wage? **Yes.**

22. Are any bonds required? The specifications seem to conflict. **No performance bond is required.**

23. Is it correct to say that the University will be purchasing the software separate from the RFQ for cameras and installation? **The bid is for the entire package.**

24. Will it be required for the Contractor to be a registered Alarm Contractor according to the Tennessee Alarm Contractors Licensing Law and Rules? **Yes**

25. Will contractors falling into to the exclusion category of the Alarm Contractors Licensing Law, 62-32-305 (7) stating that their business deriving from this type of work is less than 50% of their gross annual revenues, be acceptable to bid this project? **Yes**
26. In regards to the camera locations indicated either “mount on pole or Blue Phone (TBD)” in either case will the pole be furnished by the owners or as a part of this contract? **Yes**
27. Attachment 1, section H, “university will supply data port and power to designated locations” is referring to the itemized breakdown of cost. Does this same statement apply to section C, Locations. **Yes**
28. Attachment 2, Cost Quote, indoor camera and outdoor camera items, Can we clarify that this is for Static cameras or PTZ type cameras? **List both static and PTZ cameras**
29. Power supplied by owners to designated locations, will it be 120VAC or 24VDC? **120 AC**
30. Are the switches 10/100/1000 capable switches? And are they POE switches? **They are 10/100 to the device yes on POE.**
31. Will the IT department provide the camera system with a VLAN? **Depends on the successful bidder design requirements.**
32. What resolution are we to record at, what frame rate to record at (continuous, motion, and alarm if external alarms are used), and how many days of retention do you want? **2fps. Record motion, 14 days retention would be optimum.**
33. Can you expand the statement of supplying data port at each designated location to include that the owner will be responsible for providing all required connectivity/bandwidth between the camera data port and the network video recorder data port? **Bandwidth 100mbps from device to building network equipment. 1 gbps from building to core. Architecture cisco switched Ethernet. NOTE: Ft. Campbell connects to main campus with a 4 T1s bonded together (6.14mbps).**
34. There are 33 specific locations of cameras outlined in Attachment No. 1. Attachment No. 2 is asking for itemized pricing of individual components. Is it the intent of the RFQ to acquire pricing for both the itemized lines and a turnkey price for the locations specified in Attachment No. 1? **Yes**
35. What are the type of camera’s and vintage on the existing network? **Various and 3-5 years old**
36. What Generation is the NVR - (7)? **Do not currently have a NVR.**
37. In the five year buying phase the cameras specified may or may not be available. Newer models may not be compatible with the Software or Operating Systems of today. Can a blanket statement (Based Upon Availability) Be Added Without Penalty? According to

Bosch they will not provide pricing for longer than 2 years. Is the College aware of this?
Yes, that is fine.

38. Is it the contractor's responsibility to do all cable runs and are there underground paths for cables between individual buildings? **No, the contractors are not responsible for cabling between buildings. The university will provide connections near the location of the camera mounts.**
39. Does winning bidder have to be a licensed contractor in TN? **Yes**
40. If required can you partnership with another company to submit a bid? **The successful bidder must meet all state regulations.**
41. Assuming we can partnership with another company, what company name needs to be on the submittal of the bid? **The successful bidder must meet all state regulations.**
42. How many channels are needed on the DVR? **We are interested in a network video recorder, not a DVR.**
43. What type of software is being used right now on the DVR? **Not Applicable**
44. Is the server going to be specifically used for the cameras? **Yes**
45. Do we have to integrate with the current camera systems? **No**
46. Can we be provided with the current specifications of the DVR and cameras currently installed? Exactly how many DVRs, analog cameras, IP Cameras? **Not Applicable**
47. Is the DVR IP Addressable? **Yes**
48. Who is the manufacturer of the Server? **Dell**
49. What is the required maintenance of the system? Only on new or old also? And is the maintenance a separate line item or included in the price? **Only on new, separate line**
50. If a lift is needed is that being provided by Austin Peay or vendor? **Vendor**
51. It is assumed that material needed to mount the cameras and connections to hookup to data cable and power supplied by university will be supplied by the vendor? **Correct**
52. Are the PTZ cameras needed 18x or 26x? **18x**
53. Also are they corner mounts on the buildings? **Not at present**
54. How are the indoor cameras plans on being mounted? Ex. Is it open ceiling, drop ceiling, hard ceiling? **Yes to all three depending on the building.**
55. Is it going through the existing network or do the cameras have their own network?
Existing

56. If 64 channels are needed on the server can 2 servers be provided by University?
Reasons: Could have slower frame rates with 1 server. **The successful bidder will provide the specs and configuration of the server system for optimum performance.**
57. What cabling is connecting all the building together? **Fiber**
58. What are the resolutions of the cameras? **Current cameras range from 351 x 240 to 640 x 480. Future cameras must be at least these minimal resolutions.**