



# Clarion County Career Center

447 Career Lane      Shippenville, PA 16254  
814.226.4391      Fax 814.226.7350

Vendor:

Vendor Phone:

## STANDARD INSTRUCTIONS TO BIDDERS

Title of Bid:

**Turn Key – CCTV System**

Specifications:

**See attached specifications**

Sealed proposals for equipment and/or supplies as requested by the Clarion County Career Center and as set forth in the specifications above and are by reference a part of these instructions will be received in the business office located at the Clarion County Career Center, 447 Career Lane, Shippenville, PA 16254.

### **THE DEADLINE FOR SUBMISSION OF COMPLETED BIDS:**

**Friday, March 24, 2017 at 3:00pm**

Bids will be awarded at the Joint Operating Committee meeting on:

**Monday, March 27, 2017 at 7:00pm**

Bid is to be delivered in a sealed envelope to the Clarion County Career Center business office on or before the hour and day stated above. Envelope must be endorsed on its face with the name of the person, firm or corporation making such bid; the date of the bid opening; and the title of the bid.

Bid is to be addressed to:

Aaron Kline – Director  
Clarion County Career Center  
447 Career Lane  
Shippenville, PA 16254

Bidder is to use the Official Bid form supplied by the Clarion County Career Center. The form shall be completed in full. The company submitting the proposal shall supply the unit price and total price. All prices firm. Any errors made in the unit cost or total cost shall be the fault of the company submitting the proposal.

No charge will be allowed for federal, state or municipal sales and/or excise taxes from which the school is exempt. The price bid shall be set and shall not include the amount of any such tax. Exemption certificate, if required, will be furnished on forms provided by the bidder.

Bid is to include delivery to the delivery point included in the specifications. Bid is to be FOB Shippenville with all transportation charges paid to the delivery point. Delivery is to be completed on or before ninety (90) days. Bidders are to check with their suppliers before agreeing to this indicated date of delivery. If there is to be a delay in delivery of an awarded bid for any reason, the Clarion County Career Center shall be notified immediately. Deliveries shall be made between the hours of 8:00am and 2:30pm, Monday through Friday. No deliveries will be accepted on Saturdays, Sundays or legal holidays. The Clarion County Career Center business office must accept all deliveries before unloading. Bidders must note all exceptions.

Upon receipt of invoice, payment for items included in this bid will be made on or before 30 days. Companies receiving Clarion County Career Center purchase orders shall invoice each purchase order separately.

Manufacturers' name and/or catalog reference listed in the specifications are intended as a standard of quality. The product of another manufacturer may be submitted for consideration, if that product is considered equal to the product specified in the bid except for a few items individually labeled "No Equivalent Bid Accepted:

Bidder is to include with the bid catalog cuts and specifications for the items on which he/she is bidding. Any variations from specifications are to be included in a letter attached to the bid.

No bidder may withdraw his/her bid for a period of ninety (90) days after the date set for opening thereof.

The Joint Operating Committee reserves the right to reject or to waive any information in any or all bids in whole or in part.

## CLARION COUNTY CAREER CENTER

Aaron Kline  
Director of Career and Technical Education

*The Clarion County Career Center will not discriminate on the basis of race, age, color, national origin, gender or disability in its admission procedures, educational programs, activities or employment practices as required by Title VI, Title IX, Section 504 and ADA.*

*For information regarding civil rights or grievance procedures contact the Director at 447 Career Lane, Shippenville, PA 16254. Telephone: 814.226.4391*

# *Clarion County Career Center CCTV Bid Specifications*

## Project Overview:

Project should be a complete TURNKEY System and include a 32-channel NVR with 6TB Storage, a 24-Port POE Switch, 4 Outdoor PTZ IP Cameras and 18 inside IP Cameras for a total of 22 Cameras. It includes CAT5E Cable, the installation of the cable, the cameras, the NVR & related equipment and the complete configuration and testing. Training will be provided to the director.

1. ALL CCTV HARDWARE MUST CARRY A 5-YEAR WARRANTY!
2. Requested Manufacturer: Vivotek
3. Alternates Accepted (*but must meet the specifications & be equivalent or better*):  
Axis and Sony
4. Installing Dealer must be an Authorized or Certified Dealer for the CCTV Manufacturer
5. CAT5E Cable will be installed from NVR to each Camera Location (Please refer to floor plan for camera locations – NOTE: Map is not to scale)
6. A Single CAT5E Line will be installed from NVR to Director's Office for viewing purposes (It will be connected to PC located in the Director's office)
7. End User must be able to view cameras in multiple ways:
  - Local via HDMI from NVR
  - Web Browser
  - Software provided by Equipment Manufacturer
  - Smart Phone App

## Equipment Model Numbers, Quantity, and Minimal Hardware Requirements:

- **32-Channel NVR:**
  - (QTY 1) **Vivotek ND9541 (or Equivalent)**
    - 32 channels of licenses included with no upgrade fees and no support agreements
    - H.265 compatible
    - Dual Ethernet Ports to support Single Mode, Dual LAN Mode, and Fail Over Mode
    - Raid 5 compatible for potential Raid configuration at later date
    - Linux Operating system with viewing options on Windows 7,8, and 10
    - System Restart automatically after power recovery
    - Recording throughput of 192Mbps
    - Minimal 6TB Hard Disk Drive
    - **Must carry a 5-year Manufacturer Warranty**

- **24-Port POE Switch**

**(QTY 1) Vivotek AW-GEV-264B-370 (or Equivalent)**

- Layer 2+ Managed PoE Switch 24xGE PoE + 2xCombo GE, 370W
- Auto Discovery and Classification of Network Devices
- Auto Generated Network Topology View
- Easy VLAN Setup on Topology View
- Support Floor View and Google Map
- Diagnose PoE Device Status
- Network Device Traffic Monitoring
- DHCP Server & Client & Relay & Snooping
- Tag-Based VLAN, Port-Based VLAN, Protocol -Based VLAN, IP
- Subnet-Based VLAN, MAC-Based VLAN
- Private VLAN Edge (PVE), Voice VLAN, Q-in-Q VLAN, GARP
- Multicast VLAN Registration (MVR)
- 802.1d (STP), 802.1w (RSTP) and 802.1s (MSTP) & Loop Protection
- LACP IEEE 802.3ad and Static Link Aggregation
- IGMP Snooping v1/v2 snooping & Querier & Proxy
- IEEE 802.1X RADIUS Authentication & IGMP-RADIUS based
- SNMP v1/v2c/v3 User-Based Security Model (USM)
- IEEE802.3az Energy-Efficient Ethernet
- MAC Address Auto-Learning and Auto-Aging
- **Must carry a 5-year Manufacturer Warranty**

- **UPS (for NVR & POE Switch):**

**(QTY 1) APC BE750G (or Equivalent)**

- 750VA 10-outlet Uninterruptible Power Supply Battery backup with surge protector
- Protection from surges and spikes
- 10 total outlets - 5 battery backup and surge, 5 surge only
- **Three-year warranty with \$75,000 equipment protection policy**

- **Outdoor PTZ Camera:**

**(QTY4) Vivotek SD9364-EHL (or Equivalent)**

- H.265 1080P with WDR PRO (110db)
- 150M of IR with Vari-Angle IR
- 1080P @ 60fps
- 30x Zoom Lens, 150 M IR
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 220° Tilt
- Extreme Weather Proofing with EIS (Electronic Image Stabilization)
- Audio Detection for Instant Alerts
- Auto Tracking for Moving Objects
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Privacy Masks for Additional Protection
- Built-in SD/SDHC/SDXC Card Slot for On-board Storage
- Defog
- **Must carry a 5-year Manufacturer Warranty**

- **Welding cameras:**

(QTY 7) **Vivotek FD8155H (or Equivalent)**

- 1.3-Megapixel CMOS Sensor
- 30 fps @ 1280x1024
- 60 fps @ 1280x1024 (one-stream mode only)
- Motorized, P-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Camera supports WDR PRO II which is up to 140db.
- Remote focus with 3-10mm vari-focal lens
- 0.05 Lux @ F1.3 (Color)
- 0.001 Lux @ F1.3 (B/W)
- Smart IR technology
- **Must carry a 5-year Manufacturer Warranty**

- **Diesel, Construction, Loft Area, Police Science, Hallways Cameras:**

(QTY 10) **Vivotek FD816BA-HF2 (or Equivalent)**

- 2-Megapixel CMOS Sensor
- 2.8mm with 122 degree Horizontal FOV
- 1080P @ 30fps
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Smart IR Technology to Avoid Overexposure
- SNV (Supreme Night Visibility) for Low Light Conditions
- Up to 110db of WDR
- 0.15 Lux @ F1.8 (Color)
- 0.01 Lux @ F1.8 (B/W)
- Built-in PIR for motion detection
- **Must carry a 5-year Manufacturer Warranty**

- **Construction Cameras (near Bay Door):**

(QTY 1) **Vivotek FD8367A (or Equivalent)**

- 2-Megapixel CMOS Sensor
- Smart Stream II technology 1080P @ 30fps
- f = 2.8 ~12mm
- 0.05 Lux @ F1.4 (Color)
- 0.01 Lux @ F1.4 (B/W)
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 30 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Smart Stream II to Optimize Bandwidth Efficiency
- 3D Noise Reduction
- SNV (Supreme Night Visibility)
- **Must carry a 5-year Manufacturer Warranty**

## Clarion County Career Center CCTV Bid Specifications & Price Sheet

Project should be a complete TURNKEY System and includes a 32-channel NVR with 6TB Storage, a 24-Port POE Switch, 4 Outdoor PTZ IP Cameras and 18 inside IP Cameras for a total of 22 Cameras. It includes CAT5E Cable, the installation of the cable, cameras, NVR & related equipment and the complete configuration, testing and training.

### ALL HARDWARE MUST CARRY A 5-YEAR WARRANTY!

Qty	Vivotek P/N# or Equivalent	Description	Location	Unit Cost	Ext Cost	Substitute (must include Mfg. Model & confirm equivalent)-list all exceptions
1	ND9541	32 Chan NVR	Custodial & Maintenance Room			
1	WD60PURX	6TB HD	Custodial & Maintenance Room			
1	AW-GEV-264B-370	24-Port POE Switch	Custodial & Maintenance Room			
4	SD9364-EHL	Outdoor PTZ Cameras	4 designated locations on floorplan			
4	AP-GIC-010A-095	POE Injectors for PTZ Cameras	4 designated locations on floorplan			
7	FD8155H	1.3MP WDR Pro II 30M IR 3-10mm SNV Dome Camera	Welding area (mounted 20' up)			
1	FD816BA-HF2	2MP 30M PIR WDR SNV 2.8mm Dome Camera	Construction near hall			
1	FD8367A	2MP 30M IR Outdoor SNV 2.8-12mm Dome Camera	Construction by bay door			
2	FD816BA-HF2	2MP 30M PIR WDR SNV 2.8mm Dome Camera	Diesel Shop Area			
2	FD816BA-HF2	2MP 30M PIR WDR SNV 2.8mm Dome Camera	Loft area between Diesel & Automotive			
1	FD816BA-HF2	2MP 30M PIR WDR SNV 2.8mm Dome Camera	Police Science			
4	FD816BA-HF2	2MP 30M PIR WDR SNV 2.8mm Dome Camera	Hallways (2 in each)			
1	BE750G	APC 750VA UPS	Custodial & Maintenance Room			
1	Cabling	All CAT5E Cable, connectors, conduit, misc materials, etc	Throughout			
100	Labor	Labor to run all cabling, install cameras, NVR, POE Switch, UPS & configuring and testing all equipment + 1 hour training	Throughout			
			<b>BID TOTAL:</b>		<b>\$</b>	