

**CITY OF LINCOLN  
COUNTY OF LANCASTER**

Vince M. Mejer  
Purchasing Agent

402) 441-7410 FAX: (402) 441-6513  
purchasing@lincoln.ne.gov

**QUOTATION REQUEST**

Quote Prices F.O.B. Destination  
Lincoln, Nebraska

Date - 11/14/06  
Order No. - 1835 OQ  
Date Due - 11/16/06

QUOTATIONS MUST BE RECEIVED IN  
THE PURCHASING DIVISION OFFICE BY  
THE DUE DATE SPECIFIED ABOVE

PLEASE MAKE NECESSARY VENDOR  
INFORMATION CORRECTIONS ON THIS FORM:

**VENDOR INFORMATION**

**Return Quotation Request To:**

Purchasing Division  
K-Street Complex  
440 S 8th St Ste 200  
Lincoln NE 68508  
Hinze, Shelly

Buyer

Item Number / Description	Quantity	UM	Unit Price	Total Price
8407031 VIDEO CAMERA	1	EA		

Underwater Video Camera, Delta Vision HD Color X4 Video  
Camera with LCD Monitor and Case with 200 Feet of Cable and  
DVD Recorder, Model VRD-VC20.

Mfg. \_\_\_\_\_ Model \_\_\_\_\_

As per attached Specification. Vendor MUST return attached  
Specification with all questions answered along with their  
quote.

**VENDOR MUST COMPLETE THE FOLLOWING**

The undersigned represents and warrants that he/she has full and complete authority to submit this quotation and to enter into a contract upon acceptance by the City/County. The undersigned agrees to comply with all conditions above and on reverse side of this document.

COMPANY NAME ..... BY (PRINT NAME) .....

ADDRESS ..... SIGNATURE .....

TELEPHONE ..... TITLE .....

FAX ..... DATE .....

EMAIL ADDRESS ..... DELIVERY SCHEDULE .....

DAYS ARO

PURCHASING DIVISION  
CITY OF LINCOLN AND LANCASTER COUNTY, NEBRASKA  
INSTRUCTIONS TO BIDDERS

1. **BIDDING PROCEDURE** - A bid by a corporation must be signed in the name of such organization by a duly authorized official thereof. Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization. Most departments of the City of Lincoln and Lancaster County agencies are exempt from federal excise taxes and state and local sales and use taxes. Kindly bid without taxes. The City/County will be responsible for paying any taxes which may be due.
2. **FAIR EMPLOYMENT PRACTICES** - Each bidder agrees that he/she will not discriminate against any employee or applicant for employment because of age, race, color, religion, ancestry, national origin, disability, sex or marital status, and that he will take affirmative action to assure that applicants are employed and that employees are treated during employment without regard to age, race, color religion, ancestry, national origin, disability, sex or marital status.
3. **DATA PRIVACY** - Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, patents and patent rights. The bidder agrees to hold the City/County harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.
4. **INDEPENDENT PRICE DETERMINATION** - By signing and submitting this bid, the bidder certifies that: The prices in this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
5. **CLARIFICATION OF SPECIFICATION DOCUMENTS** - Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents. Interpretations, corrections and changes made to the specification documents will be made by written addenda. Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the City/County; and bidders shall not rely upon such interpretations or changes. No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except: An addendum withdrawing or postponing the invitation to bid.
6. **BRAND NAMES** - If and wherever in the material specifications or proposal form brand names, make, manufacturer, trade name, or vendor catalog number is specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow. It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the City/County that said item is equal to or better than the product specified. If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the City/County's specifications.
7. **DEMONSTRATION/SAMPLES** - If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City/County.
8. **DELIVERY** - Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise. F.O.B. to the City/County at the location specified by the City/County, with all transportation charges paid.
9. **WARRANTIES, GUARANTEES AND MAINTENANCE** - A copy of the manufacturer's warranties and/or guarantees for the items being bid must accompany your proposal. A copy of your company's maintenance policies and costs must also accompany your proposal. Replacement parts of defective components shall be shipped to the City/County at no cost. If defective parts are required to be returned to the bidder, the shipping costs shall be borne by the bidder.
10. **ACCEPTANCE OF MATERIAL** - The finished materials must be new, the latest make or model, of the best quality, unless otherwise specified, and the highest grade workmanship. The material delivered under this proposal shall remain the property of the bidder until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted by the City/County. The material delivered must be fully in accord with specification documents. In the event the material and/or services supplied to the City/County is found to be defective or does not conform to specification documents, the City/County reserve the right to cancel the order upon written notice to the bidder and return materials to bidder at the bidder's expense. Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the City of Lincoln or Lancaster County, Nebraska, as required by the contract documents or purchase orders. Selling dealer's advertising decals, stickers or other signs shall not be affixed to the equipment; vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forings, stampings, nameplates and logos are acceptable.
11. **BID EVALUATION AND AWARD** - The signed bid shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the City/County of purchase orders, contract award notifications, or other contract documents appropriate to the work. No bid shall be modified or withdrawn for a period of sixty (60) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid. In case of a discrepancy between the unit prices and their extensions, the unit price shall govern. The City/County reserve the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities, and to request rebids on the material described in the specification documents.
12. **TERMS OF PAYMENT** - Unless other specification provisions state otherwise, payment in full will be made by the City/County within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.
13. **LAWS** - The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.

Company \_\_\_\_\_

## Heavy Duty Color Underwater Video Camera Specifications

### 1. CAMERA

Meets Spec.

<u>Yes</u>	<u>No</u>
------------	-----------

___	___	1.1	<b>Image</b>
		1.1.1	Color NTSC Composite Video (PAL Optional)
___	___	1.2	<b>Auxiliary Lighting</b>
		1.2.1	Ultra Intense White LED's
___	___	1.3	<b>Resolution</b>
		1.3.1	500 TV Lines
___	___	1.4	<b>Focus</b>
		1.4.1	Fixed 1 inch to focal infinity
___	___	1.5	<b>Lens</b>
		1.5.1	3.6mm Wide Angle
___	___	1.6	<b>Electronic Iris</b>
___	___	1.7	<b>Operating Temp</b>
		1.7.1	-10 to 55 C
___	___	1.8	<b>Light Sensitivity</b>
		1.8.1	0.5 lux
___	___	1.9	<b>Input Voltage</b>
		1.9.1	12 VCD
___	___	1.10	<b>Current Consumption</b>
		1.10.1	270 mA

### 2. CAMERA HOUSING & CABLE

___	___	2.1	<b>Body</b>
		2.1.1	Stainless Steel
___	___	2.2	<b>Exterior</b>
		2.2.1	Stainless Steel
___	___	2.3	<b>Camera head Weight</b>
		2.3.1	2.3 lbs in air/1.5 lbs in water
___	___	2.4	<b>Deployment Methods</b>
		2.4.1	Horizontal, Vertical, Towed
___	___	2.5	<b>Depth Rating Standard</b>
		2.5.1	800 feet / Upgrade: 200 feet
___	___	2.6	<b>Overall weight with 100 feet of cable</b>
		2.6.1	Approximately ten (10) lbs.
___	___	2.7	<b>Cable Tensile Strength</b>
		2.7.1	A minimum of 700 lbs break / 250 lbs nominal
___	___	2.8	<b>Maximum Cable Length</b>
		2.8.1	2300 feet
___	___	2.9	<b>Housing Dimensions: 2.25" diameter / 4.5" length</b>
___	___	2.10	<b>Max Tow Speed</b>
		2.10.1	15 knots (with HST accessory)

**3. LCD MONITOR****Meets Spec.****Yes No**

___	___	3.1	<b>Operating System</b>
		3.1.1	NTSC/PAL auto selectable
___	___	3.2	<b>Picture Size</b>
		3.2.1	Minimum of 6.8" diagonal
___	___	3.3	<b>Resolution</b>
		3.3.1	Minimum of (H x V) 1152 x 234 pixels
___	___	3.4	<b>LCD Type</b>
		3.4.1	TFT Active matrix, R.G.B. stripe
___	___	3.5	<b>Response Time</b>
		3.5.1	Tr: 25 ms Tf: 30ms (Typ.)
___	___	3.6	<b>Video Angle</b>
		3.6.1	Minimum of Left/Right 45°, Up 10°, Down 30°
___	___	3.7	<b>Back Light</b>
		3.7.1	CCFT
___	___	3.8	<b>Brightness</b>
		3.8.1	300 cd/m <sup>2</sup>
___	___	3.9	<b>Contrast Ratio</b>
		3.9.1	Minimum of 150: 1 Typical
___	___	3.10	<b>DOT Pitch</b>
		3.10.1	Minimum of (H x V): 0.12mm x 0.442 mm
___	___	3.11	<b>Mirror Mode</b>
		3.11.1	On/Off
___	___	3.12	<b>Horizontal Flip</b>
		3.12.1	On/Off
___	___	3.13	<b>Input Signal</b>
		3.13.1	1Vp-p Composite Video at 75 Ohms
___	___	3.14	<b>Lamp Life-Time</b>
		3.14.1	10,000hr (minimum temp 25° C)
___	___	3.15	<b>Power Source</b>
		3.15.1	120VDC + 100% (Ripple 0.5V p-p Max)
___	___	3.16	<b>Power Consumption</b>
		3.16.1	7.5W Max
___	___	3.17	<b>Ambient Operating Temperature</b>
		3.17.1	Minimum of 0° ~ 60° C
___	___	3.18	<b>Operating Humidity</b>
		3.18.1	Max. 85% RH
___	___	3.1.9	<b>Storage Temperature</b>
		3.19.1	Minimum of -30° ~ 80° C
___	___	3.20	<b>Storage Humidity</b>
		3.20.1	Max. 85% RH
___	___	3.21	<b>Dimensions</b>
		3.21.1	Approximately (W x H x D) 157 mm x 123 mn x 25mm
___	___	3.22	<b>Weight</b>
		3.22.1	Approximately 400 ± 5 g
___	___	3.23	<b>O.S.D Controls</b>
		3.23.1	Contrast, Brightness, Color, Tint, (NTSC only)
___	___	3.24	<b>Sunshade</b>
		3.24.1	Minimum of Corrugated Plastic

**4. CASE & POWER REQUIREMENTS**

**Meets Spec.**  
**Yes No**

- 4.1 **Battery**  
4.1.1 12 volt/12AH rechargeable sealed lead acid w/4 ea. female power jacks.  
\_\_\_ \_\_\_
- 4.2 **Charger**  
4.2.1 14 volt / 1000 mA wall charger  
\_\_\_ \_\_\_
- 4.3 **Charge Time**  
4.3.1 Minimum of 8-10 hours  
\_\_\_ \_\_\_
- 4.4 **Run Time w/all components**  
4.4.1 Minimum of 4 hours  
\_\_\_ \_\_\_
- 4.5 **Run Time w/out DVD recorder**  
4.5.1 Minimum of 15 hours  
\_\_\_ \_\_\_
- 4.6 **Case Size w/up to 200 ft. cable**  
4.6.1 Pelican 1610 or City approved equal.  
4.6.2 Approximate Size (24.71" x 19.58" x 11.93")  
\_\_\_ \_\_\_
- 4.7 **Case weight w/up to 200 ft. cable: 55lbs**  
\_\_\_ \_\_\_

**5. DVD RECORDER**

**Meets Spec.**  
**Yes No**

- 5.1 **Model Number**  
5.1.1 VRD-VC20 or a City approved Equal External Hybrid Standalone or Computer Attached DVD Recorder  
\_\_\_ \_\_\_
- 5.2 **Stand-Alone Recording Mode**  
5.2.1 Supported Media for Stand-alone Operation DVD+R, DVD+R DL (Double Layer), DVD+RW, DVD-R, DVD-RW  
\_\_\_ \_\_\_
- 5.3 **DVD Recording Mode**  
5.3.1 DVD+VR and DVD-Video  
\_\_\_ \_\_\_
- 5.4 **Supported Video Format**  
5.4.1 MPEG2  
\_\_\_ \_\_\_
- 5.5 **Automatic Chaptering**  
5.5.1 Minimum of 5, 10 or 15 minutes  
\_\_\_ \_\_\_
- 5.6 **Synchronized Recording**  
5.6.1 Auto-start/stop recording with most camcorders/VCRs  
\_\_\_ \_\_\_
- 5.7 **Recording Times**  
5.7.1 HQ (single layer: 1 hour, double layer: 2 hours)  
5.7.2 SP (single layer: 2 hours, double layer: 4 hours)  
5.7.3 SLP (single layer: 6 hours, double layer: 12 hours)  
\_\_\_ \_\_\_
- 5.8 **Supported Sound Format**  
5.8.1 Dolby® Digital (AC3)  
\_\_\_ \_\_\_
- 5.9 **Inputs**  
5.9.1 DV (i.LINK/Firewire Compatible) x 1  
5.9.2 Composite video (yellow RCA jack) x 1  
5.9.3 S-Video x 1  
5.9.4 Analog audio 2 ch (red and white RCA jacks)  
\_\_\_ \_\_\_

**6. COMPUTER - ATTACHED RECORDING MODE**

Meets Spec.  
**Yes No**

- 6.1 Supported Media Types & Speeds**
  - 6.1.1 DVD + R DL: 4X CLV (max.) writing
  - 6.1.2 DVD + R: 16X CAV (max.) writing
  - 6.1.3 DVD + RW: 8X Z -CLV (max.) rewriting
  - 6.1.4 DVD - R: 16X CAV (max.) writing
  - 6.1.5 DVD - RW: 6X CLV (max.) rewriting
  - 6.1.6 DVD - ROM reading (single layer): 16X CAV (max.)
  - 6.1.7 DVD - ROM reading (dual layer): 8X CAV (max.)
  - 6.1.8 CD-R: 48X P-CAV (max.) writing
  - 6.1.9 CD-RW: 24X Z-CLV (max.) rewriting
  - 6.1.10 CD-ROM: 48X CAV (max) reading
- 6.2 Interface**
  - 6.2.1 Hi Speed USB 2.0 (USB 1.1 compatible at slower speeds)
- 6.3 OS Support**
  - 6.3.1 Compatible with Microsoft Windows® 2000/Windowx XP
- 6.4 Burst Data Transfer Rate**
  - 6.4.1 High Speed USB 2.0:480 Mbits/s max
- 6.5 Random Access Time**
  - 6.5.1 140 ms (CD-ROM), 135 ms (DVD-ROM)
- 6.6 Buffer Memory**
  - 6.6.1 8 MB
- 6.7 Buffer Under-run Error Protection Technology**
  - 6.7.1 Sony Power-Burn conformed

**7. PACKAGE CONTENTS**

- 7.1 External VRD-VC20 DVD Recorder
- 7.2 Ahead NeroVision Express DVD video editing and authoring software
- 7.3 Ahead Nero™ Burning ROM SE CD/DVD mastering software
- 7.4 Ahead InCD™ drive letter recording software
- 7.5 Ahead Nero™ Showtime™ soft DVD player software
- 7.6 Ahead Nero™ BackitUp™ backup software
- 7.7 AC Adapter and USB cable
- 7.8 User's Manual and Quick Start Guide

**8. SYSTEM REQUIREMENTS**

- 8.1 Pentium® III 800 MHz or faster (or equivalent) CPU minimum, Pentium IV 1.6 Ghz or faster (or equivalent) CPU is recommended for real time video authoring/editing
- 8.2 256 MB of RAM
- 8.3 10 GB of hard disk space
- 8.4 Windows® 2000 or Windows® XP Home or Professional Operating Systems
- 8.5 Delivery and a One Year Limited Warranty