



180 Industrial Drive
Burlington, WI 53105 USA
Phone: 800-558-5986
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www.ldvusa.com

**PRELIMINARY
SPECIFICATIONS FOR:**

**Aurora PD (IL)
Retrofit Command Center**

LDV MODEL # S28RET-33727-17

**DATE
April 9, 2018**



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PRICING PAGE:

Total commercial price per unit as specified, FOB Origin \$138,922.00

Delivery charge: Not included \$0.00

Total price per unit	\$138,922.00
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Delivery terms: Ask your Sales Representative

Payment Terms: 50% down payment, 50% due prior to delivery.

Quote is firm for 30 days from specification date.

Quoted price does not include any applicable FET, federal, state or local tax unless specified.



CUSTOM SPECIALTY VEHICLES

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Item	Qty	
1.00		<u>CHASSIS:</u>
1.01	1	Vehicle check in. 1. Test all equipment before any upgrades are done. - Interior and exterior, structure, locks, lights, electronics, batteries, as applicable. - Chassis fluid levels, batteries 2. Provide a line item document for items that need repair, (Customer shall approve repairs).
1.02	1	Disassemble and preparation of existing vehicle including: Removal of curbside and streetside upper cabinetry Removal of streetside workstations Removal of curbside map storage Removal of rear storage closet Removal of electronics and clocks Removal of security system Removal of water cooler and coffee maker Removal of lavatory sink and cabinet Relocation of electronics and wiring (Radios, DSS receivers, Network) All holes to be covered or caulked as necessary
2.00		<u>DRIVER / PASSENGER CAB AREA:</u>
2.01	1	Zone Defense color three (3) camera rear view system with 7" LCD monitor. System includes left, right, and rear vision day/night cameras. Camera includes a microphone for audio commands from a spotter to the driver during backing operations.
3.00		<u>WALLS, CEILING AND FLOOR:</u>
3.01	1	30" FRP covered pocket door installed on heavy-duty aluminum track with two (2) four-wheel roller trucks. Pocket door shall have recessed handles and a latch to keep the door closed. NOTE: Air conditioner ceiling unit may interfere with pocket door. Further inspection needed before construction.
3.02		All bulkheads shall be covered with <i>Kemlite</i> 0.075" FRP. Trim exposed edges of bulkheads with rounded anodized aluminum trim where applicable.
4.00		<u>GALLEY / LAVATORY:</u>
4.01	1	<i>Norcold</i> model DE0041R (or current model) 12Vdc/120Vac refrigerator. Refrigerator has the following features: • 3.6-cu.ft. Capacity. • Full width freezer compartment. • Adjustable door bins for various size containers. • Integrated door latches. NOTE: Current plumbing installations may interfere with installation of larger refrigerator, further inspection required.
5.00		<u>SEATING:</u>
5.01		Re-cover bench cushions in rear conference area. Bench seat cushions shall be covered in heavy-duty vinyl. NOTE: To make bench seating match when rear conference room storage closet is removed.



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5.02		Fabricate and install flip-down bench seating as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. Bottom seat cushion will be installed on <i>Zico</i> Quic-Seat® fold down spring loaded seat brackets.
5.03	1	Café Style Conference Table & Bench Seating package. Includes: <ul style="list-style-type: none"> • Fabricate and install fixed bench seating with removable cushions as shown on drawing. Bench seat cushions shall be covered in heavy-duty vinyl. • Conference table covered in <i>Wilsonart</i> Gibraltar 1/2" solid surface countertop over subsurface. Solid surface countertop shall have a 1-1/2" front lip with radius edge.
5.04		<u>BENCH SEAT REQUIREMENTS:</u> <ul style="list-style-type: none"> • Foam for seat backs and bottoms shall be firm density. • All bench seating material must meet Federal Motor Vehicle Safety Standards part 571.302 Flammability of Interior Materials. • Material corners shall be squared or angled to fit precise cut of foam. • Foam shall be bonded to plywood backer with industrial grade adhesive. • Attachment of fabric/vinyl to backer shall utilize industrial grade upholstery staples.
6.00		<u>CABINETS:</u>
6.01		Custom fabricated aluminum cabinets located as shown on drawing. Cabinet specifications: <ul style="list-style-type: none"> • Base cabinets constructed of 0.080" powder coated aluminum with anodized aluminum frames. • Base cabinet doors are double shell, formed from a single sheet of 0.080" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinets constructed of 0.064" powder coated aluminum with anodized aluminum frames. • Overhead cabinet doors are double shell, formed from a single sheet of 0.064" aluminum, with a 0.040" aluminum door back attached. • Overhead cabinet doors swing up.
6.02		Install new upper electronics rack on front conference street side. As shown on the drawing.
6.03	4	Magnetic dry erase board framed in aluminum, with cork pin strip across top. Includes aluminum clip frame for easy board replacement, sized as required.
6.04		<i>Wilsonart</i> Gibraltar 1/2" solid surface countertop over subsurface. Solid surface countertop shall have a 1-1/2" front lip with radius edge. NOTE: Includes Front workstations and galley.
6.05		<i>Wilsonart</i> Gibraltar 1/2" solid surface conference tabletop over subsurface. Solid surface tabletop shall have a 1-1/2" front lip with radius edge. NOTE: Re-surfacing of conference room table.
7.00		<u>AC ELECTRICAL SYSTEM:</u>
7.01		<u>AC WIRING REQUIREMENTS:</u> <ul style="list-style-type: none"> • All AC main wiring shall be stranded THHN wire and run in non-metallic <i>Carlton</i> Carflex liquid tight conduit. • All AC branch circuit wiring shall be stranded THHN wire (AWG 12 minimum) and run in non-metallic <i>Carlton</i> Carflex liquid tight and <i>Carlton</i> Flex-Plus blue ENT conduit. • All electrical circuits and appliances shall conform to applicable national electrical codes.



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8.00		AUDIO / VIDEO:
8.01	3	<p><i>Samsung UN32H5500AFXZA</i> - 32" LED TV with wall mount bracket. Product features:</p> <ul style="list-style-type: none"> • Resolution 1920 x 1080 • Component , Composite • (3) HDMI, (2) USB • (2) Speakers • DTV Tuner/ATSC / Clear QAM • Dimensions: 28.4"(W) x 16.9"(H) x 2.6"(D) Weight 10.8lbs
8.02	1	Samsung 55" Black UHD 4K LED Smart HDTV - UN55JU6500FXZA
8.03	1	<p>Four (4) IP Perimeter Cameras. AXIS P1224-E (or current model) Miniature Network Camera. HDTV 720p resolution IP66 weather rated Wide angle 145° field of view Power over Ethernet</p> <ul style="list-style-type: none"> • 1 - rear view • 1 - front view • 1 - left side view • 1 - right side view <p>Includes Aimetis Thin Client 1080p Video Decoder. MFR # AIM-A10D</p> <ul style="list-style-type: none"> • Easily Display Video from IP Cameras • Supports 1080p Resolution @ 30 fps • Supports Multiple Frame Rates
8.04	1	Interior IP camera and microphone for audio/video recording and monitoring.
8.05	1	<p>Axis P7701 decoder #19320075. Translates HD video through modulated system.</p> <ul style="list-style-type: none"> • Decodes H.264, MPEG-4 and Motion JPEG • Digital or analog video output • High-quality audio • Power over Ethernet
8.06	1	SD Memory Card for interior IP camera. The SD card shall record ceiling camera allowing it to be downloaded and viewable via an IP address.
8.07	1	<p>HDMI Matrix Switcher, Includes: Extron DXP 168 HD 4K, high performance HDMI matrix switchers for video signals at resolutions up to 4K. Includes all HDMI Cables as required.</p> <p>NOTE: Inputs: -Axis mast camera -Axis mast camera -Axis ceiling camera -Aimetis perimeter cameras -DSS -DSS -DSS -Café workstation HDMI input -Conference table HDMI input</p> <p>Outputs: -(3)TV's in front room -TV in rear room</p>

Item	Qty	
8.08		All RF cable for DSS antenna systems (when specified) shall be Belden #9116 series 6 broadband coaxial cable. All other video cabling shall be Belden #1505A RG-6/U precision video cable.
9.00		<u>MAST AND MAST MOUNTED EQUIPMENT:</u>
9.01	1	Remove, Rebuild and Re-install Will-Burt mast. Includes new seals, expanders, internal bumpers, external bumpers, orifice bolts and collar bolts. NOTE: DOES NOT INCLUDE mast tube sections, collars, collar delrins, collar inserts, and top tube stops. These parts if needed will be an additional charge. It is hard to determine what else the masts might need until the mast is taken apart and evaluated. NOTE: Any work or costs that exceed the scope of work above LDV will communicate to customer.
9.02	1	Shipping and crating cost for sending mast to Will-Burt and back to LDV.
9.03	1	Custom fabricated 0.125" aluminum <i>Nycoil</i> cylinder painted to match body color.
9.04	1	Custom fabricated bracket on mast to mount two <i>AXIS</i> Q6155-E PTZ Dome Network Cameras.
9.05	2	<i>AXIS</i> Q6155-E PTZ Dome Network Camera with Lightfinder technology. <ul style="list-style-type: none"> • HDTV 1080p and 30x optical zoom • Axis Sharpdome technology with Speed Dry • Lightfinder technology performs in low lighting conditions, extremely sensitive to low light • Built-in laser that provides instant focus in challenging lighting conditions and in complete darkness • IP66-rated and NEMA 4X protection against dust, strong water jets and impact • High Power over Ethernet, max. 74 W
9.06	2	Axis P7701 decoder #19320075. Translates HD video through modulated system. <ul style="list-style-type: none"> • Decodes H.264, MPEG-4 and Motion JPEG • Digital or analog video output • High-quality audio • Power over Ethernet NOTE: Decoder needed for mast camera signal to work with HDMI switcher.
9.07	2	SD Memory Card for mast IP camera. The SD card shall record mast camera allowing it to be downloaded and viewable via an IP address.
9.08	1	Nycoil, 1" for up to 40' Mast
10.00		<u>RADIOS:</u>
10.01	3	Jack connector for radio headset, interfaced to one (1) radio. Connector to be verified with installed equipment. <i>Note:</i> Does not include headset or belt station adapter.



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11.00		<u>COMPUTER NETWORK AND EQUIPMENT:</u>
11.01	6	RJ-45 Cat6 computer network jack with Cat6 cable routed through <i>Carlton</i> Flex-Plus ENT conduit or raceway (as applicable). NOTE: Re-wiring current network runs for connection into slide out rack.
11.02	1	Cable Certification Report confirming that network wiring complies with Cat6 specifications.
11.03	1	HP - OfficeJet Pro 6978 Wireless All-In-One Instant Ink Ready Printer Product features: <ul style="list-style-type: none"> • Color printing, color copying, color scanning, color faxing, black-and-white printing, black-and-white copying, black-and-white scanning, black-and-white faxing, print from smartphone • USB 2.0, Ethernet, Wi-Fi, HP ePrint, Mopria Print Service, Apple AirPrint • 9"(h)x18.3"(w)x15.3"(d). 17.9 Lbs.
11.04	1	<i>Cradlepoint</i> AER2100 series cellular router ordered with a (1) Verizon modem. This will have roof mounted antenna connected to the modem.
12.00		<u>MISCELLANEOUS ELECTRONICS:</u>
12.01	1	<i>Middle Atlantic Products, Inc.</i> MRK-4026 forty-space 19" wide x 26.5" depth (24" useable depth) open framed electronics equipment rack with caster base. Rack can easily slide out from its fixed position to allow side access to rack equipment.
12.02	1	<i>Middle Atlantic</i> VFD-24 vented front door with key lock.
12.03	1	<i>Middle Atlantic</i> MW-4FT top fan panel, with two (2) 50 cfm ventilation fans, QFAN.
12.04	2	<i>Middle Atlantic</i> PD-815SC-NS 15 amp power strip with eight (8) outlets. Includes PB-XS rack mounting bracket.
12.05	1	Shroud with weatherproof pass-through hatch installed in the existing exterior TV compartment door. Shroud painted to match the body.
12.06		Note: Project scope does not include certain tasks or costs that are the responsibility of the customer unless clearly specified as LDV supplied. These items include, but are not limited to: <ul style="list-style-type: none"> • Radio and telephone system programming. • Activation and service fees for cellular telephones, satellite telephones, satellite TV, satellite internet access. • Loading and configuring computer software. <p>In the event of a discrepancy between the drawing and specification, the specification will supersede. LDV reserves the right to make substitutions of equal quality and specifications of those listed in this document.</p> <p>Some component models change frequently. In the event that a specified component model becomes unavailable at the time LDV attempts to source it, LDV will provide a replacement model with equivalent or better features, as agreed upon with the customer.</p>