

Request for Quotation

FRANK WHITTAKER

ADDRESS CORRESPONDENCE TO ATTENUON OF 304-558-2316

CART, Inc. P.O. Box 2182 Bluefield WV 24701 Attn: Bruce V. Mutter

HEALTH, SAFETY AND TRAINING OFFICE OF MINERS' 1615 WASHINGTON STREET EAST

CHARLESTON, WV 25311

DATE PRIN	ITED	TE	RMS OF SALE	SHI	PVIA	FO.B	FREIGHT TERMS
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BID OPENING DATE	: :	09/14/	a talan anananan katamatan basar		BID	OPENING TIME	01:30PM
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	THE ME	ST VIR	GINIA MIN	IERS' HEAL	TH SAFET	Y & TRAINING.	
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CEO		FE	N 20-017325	8		ADDRESS CHAM	GES TO BE NOTED ABOVE



Request for Quotation

HST1101

PAGE 2

ADDRESS CORRESPONDENCE TO ATTENTION OF FRANK WHITTAKER
304-558-2316

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HEALTH, SAFETY AND TRAINING OFFICE OF MINERS' 1615 WASHINGTON STREET EAST

CHARLESTON, WV 25311

CART, Inc. P.O. Box 2182 Bluefield WV 24701 Attn: Bruce V. Mutter

DATE PRINTED TERMS OF SALE	SHIP VIA	FOB	FREIGHTTERMS
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HEALTH, SAFETY AND TRAINING OFFICE OF MINERS* 1615 WASHINGTON STREET EAST

CHARLESTON, WV 25311

CART, Inc. P.O. Box 2182 Bluefield WV 24701 Attn: Bruce V. Mutter

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CART, Inc. P.O. Box 2182 Bluefield WV 24701 Attn: Bruce V. Mutter

HEALTH, SAFETY AND TRAINING OFFICE OF MINERS' 1615 WASHINGTON STREET EAST

CHARLESTON, WV 25311

104-558-2316

O9/14/2010 BID OPENING DATE: 09/21/2010 BID OPENING TIME 01:30PM time QUANTITY UOP CAT HEMANGER UNIT PRICE AMOUNT ***********************************
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***** THIS IS THE END OF REO HST1701 ***** TOWN \$736,700.00
***** THIS IS THE END OF RFQ HST1101 ***** TOTAL: \$736,700.00
SEE REVERSE SIDE FOR TERMS AND CONDITIONS
DOME V CONTRACTOR OF THE PHONE 276,970,1344 DATE
CEO 20-0173258 ADDRESS CHANGES TO BE NOTED ABOVE

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- 5. Payment may only be made after the delivery and acceptance of goods or services.
- 6. Interest may be paid for late payment in accordance with the West Virginia Code.
- 7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 10. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern the purchasing process.
- 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.
- 15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
- 16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time-the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
- 2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Eurobacing Division may waive minor deviations to specifications.
- 3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination inflass alternate shapping forms are clearly identified in the quotation.
- 4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
- 5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is skietly prohibited (W.Ve. C.S.R. §148-1-6.6).

Technical Questions for HST-1101

Question 1: The vehicle specifications show overall length no more than 22'. To provide 230sqft of lab space the overall length of the truck would be more than 22'. Is this acceptable?

Answer 1: Yes, the overall truck box length cannot be more than 22 feet long; this does not include the cab of the vehicle.

Question 2: It appears that the lab box structure specifications might not be structurally strong enough to accommodate the mast without additional support. How do we include this in the bid information?

Answerer 2: Proper support to mount mast should be built into respondent's body structure.

Question 3: When the mast is deployed and lights and awning are extended, the truck might prove to be unstable. Should we include outriggers in the bid?

Answer 3: Vehicle Control System: Ability to monitor, activate and control all hydraulic and electrical subsystems.

Question 4: Is there a set performance period for completion of the project once it is awarded?

Answer 4: Delivery is expected 4-6 weeks post award.

HST-1101 Bid Clarification

The overall truck box length cannot be more than 22 feet long; this does not include the cab of the vehicle. Within this box it should allow for all the requested features. All items in this request are vendor supplied.

Vehicle wheel base should be between 189" and 256".



Item Qty Part Number Product Description

Section 1 Quad Cabinet A with Four Channels

490 GC Mainframe

1.01 1 0490401400 490-GC, Four channels
Quad Cabinet

Each Micro-GC main frame includes:

CP736729, External Sample Filter Kit with 5 Filters

CP505532490, User Manual on CD ROM

Power Supply. Note: include P/N of Voltage (Power) Option.

Ethernet card (CP740573) and 2.8 m cross over cable (CP740573)

490 GC Voltage Options

1.02 1 CP49PWR110 MICRO-GC CP-4900 POWER CABLE OPTION

490 GC Field Case Options

1.03 1 CP740328 BATTERY PACK FOR CP-4900

1.04 1 CP740427 CHARGER FOR CP-4900 BATTERY PACK, NIMH

1.05 1 CP740291 CP-4900 2CH AUX. POWER CABLE, CIGARETTE

490 GC Sample Inlet Options

1.06 1 CP490100 CP-4900 ONE SAMPLE INLET

490 GC Factory Assembly

1.07 1 CP49INLFRONT CP-4900 SAMPLE INLET FRONT UNHEATED-

490 GC Standard Injector Channel

1.08 2 0492001360 Micro-GC Channel, Mol. Sieve 5A, 10 m

Heated Injector, Factory Installed

1.09 1 0492001440 Micro-GC Channel, Al2O3/KCI PLOT, 10 m

Heated Injector, Factory Installed

1.10 1 0492001460 Micro-GC Channel, PoraPLOT U, 10 m

Heated Injector, Factory Installed

Micro GC Install

1.11 1 MICROINSTAL2 INSTALL OF 3 OR 4 CHANNEL MICRO-GC

INCLUDES: Installation and Start up Assistance by trained Varian Customer Support Representative. Approxiamately 2 Days. REPLACES STANDARD 1-YEAR WARRANTY (RETURN TO DEPOT) WITH 1-YEAR ON-SITE SERVICE.



item	Ç	ty Part Number	Product Description
		490 GC Factory A	ssembly
1.12	1	CP49CHAN1SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 1 MS
1.13	1	CP49CHAN2SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 2 MS
1.14	1	CP49CHAN3SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 3 PPU
1.15	1	CP49CHAN4SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 4 AI
1.16	1	CP49CHAN2IN	CP-4900 PS2 SAMPLE INLET S1 OR S2 S1
1.17	1	CP49CHAN3IN	CP-4900 PS3 SAMPLE INLET S1 OR S2 S1
1.18	1	CP49CHAN4IN	CP-4900 PS4 SAMPLE INLET S1 OR S2 S1
1.19	1	CP49CHAN1IN	CP-4900 PS1 SAMPLE INLET S1 OR S2
		490 GC Carrier Gas	Option
1.20	1	CP490111 CP-4900 configured wi carrier gas is used by e	CP4900 TWO SEPARATED CARRIER GASES th two separated carrier gases. Requires specification which each channel.
1.21	1	СР49НЕН2	CP-4900 CARRIER GAS HELIUM OR HYDROGEN Helium
1.22	1	CP49ARN2	CP-4900 CARRIER GAS ARGON OR NITROGEN Argon
1.23	1	CP49CHAN1GAS	CP-4900 CHOICE OF CARRIER GAS ON Argon
1.24	1	CP49CHAN2GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium
1.25	1	CP49CHAN3GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium
1.26	1	CP49CHAN4GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium



Item Qty Part Number Product Description

Galaxie Software

1.27 1 0395000095

Galaxie software with Varian GC Control, 1

- Galaxie data system CD-ROM includes manuals in Adobe Acrobat format
- Includes the license for installation on 1 (one) computer and allows the connection of 1 (one) instrument.
- Provides full instrument control and method download capability for Varian GCs 3900 GC and 3800 GC with 8400, 8410, and CombiPAL AutoSamplers, 3400 GC and 3600 GC with GC-controlled 8200 AutoSamplers, CP-4900 uGC, CP-2002/2003 uGC, and Valco SSV.
- Supports analog data acquisition via the Star 800 MIB. (Star 800 MIB is NOT included with the software and must be purchased separately.)
- Runs under Windows 2000 or Windows XP Professional

Section 2 Quad Cabinet B with Four Channels

490 GC Mainframe

2.01 1 0490401400

490-GC, Four channels

Quad Cabinet

Each Micro-GC main frame includes:

CP736729, External Sample Filter Kit with 5 Filters

CP505532490, User Manual on CD ROM

Power Supply. Note: include P/N of Voltage (Power) Option.

Ethernet card (CP740573) and 2.8 m cross over cable (CP740573)

490 GC Voltage Options

2.02 1 CP49PWR110

MICRO-GC CP-4900 POWER CABLE OPTION



Qty	/ Part Number	Product Description
	490 GC Field Ca	se Options
1	CP740328	BATTERY PACK FOR CP-4900
1	CP740427	CHARGER FOR CP-4900 BATTERY PACK, NIMH
1	CP740291	CP-4900 2CH AUX. POWER CABLE, CIGARETTE
	490 GC Sample	Inlet Options
1	CP490100	CP-4900 ONE SAMPLE INLET
	490 GC Factory	Assembly
1	CP49INLFRONT	CP-4900 SAMPLE INLET FRONT UNHEATED-
	490 GC Standar	d Injector Channel
2	0492001360	Micro-GC Channel, Mol. Sieve 5A, 10 m
		Heated Injector, Factory Installed
1	0492001440	Micro-GC Channel, Al2O3/KCI PLOT, 10 m
		Heated Injector, Factory Installed
1	0492001460	Micro-GC Channel, PoraPLOT U, 10 m
		Heated Injector, Factory Installed
	1 1 1 1	490 GC Field Ca 1 CP740328 1 CP740427 1 CP740291 490 GC Sample 1 CP490100 490 GC Factory 1 CP49INLFRONT 490 GC Standard 2 0492001360 1 0492001440

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2.12	1	CP49CHAN1SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 1 MS
2.13	1	CP49CHAN2SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 2 MS
2.14	1	CP49CHAN3SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 3 PPU
2.15	1	CP49CHAN4SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 4 AI
2.16	1	CP49CHAN2IN	CP-4900 PS2 SAMPLE INLET S1 OR S2 S1
2.17	1	CP49CHAN3IN	CP-4900 PS3 SAMPLE INLET S1 OR S2 S1



item	Qt	v Part Number P	roduct Description
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2.18	1	CP49CHAN4IN	CP-4900 PS4 SAMPLE INLET S1 OR S2
			\$1
2.19	1	CP49CHAN1IN	CP-4900 PS1 SAMPLE INLET S1 OR S2
•			t
		490 GC Carrier Gas	Option
2.20	1	CP490111	CP4900 TWO SEPARATED CARRIER GASES
2.20	E		* * * * * * * * * * * * * * * * * * *
		carrier gas is used by e	th two separated carrier gases. Requires specification which each channel.
2.21	1	СР49НЕН2	CP-4900 CARRIER GAS HELIUM OR HYDROGEN
			Helium
2.22	1	CP49ARN2	CP-4900 CARRIER GAS ARGON OR NITROGEN
			Argon
2.23	1	CP49CHAN1GAS	CP-4900 CHOICE OF CARRIER GAS ON
			Argon
2.24	1	CP49CHAN2GAS	CP-4900 CHOICE OF CARRIER GAS ON
200	•	0. 400/1/4/12/0/10	Helium
		00.000.000.00	
2.25	1	CP49CHAN3GAS	CP-4900 CHOICE OF CARRIER GAS ON
			Helium
2.26	1	CP49CHAN4GAS	CP-4900 CHOICE OF CARRIER GAS ON
			Helium
		Galaxie Software	
2.27	1	0395000095	Galaxie software with Varian GC Control, 1
		Galaxie data system	n CD-ROM includes manuals in Adobe Acrobat format

- Includes the license for installation on 1 (one) computer and allows the connection of 1 (one) instrument.
- Provides full instrument control and method download capability for Varian GCs 3900 GC and 3800 GC with 8400, 8410, and CombiPAL AutoSamplers, 3400 GC and 3600 GC with GC-controlled 8200 AutoSamplers, CP-4900 uGC, CP-2002/2003 uGC, and Valco SSV.
- Supports analog data acquisition via the Star 800 MIB. (Star 800 MIB is NOT included with the software and must be purchased separately.)
- · Runs under Windows 2000 or Windows XP Professional

Installation Training Mod



Item **Qty Part Number Product Description**

Section 3 Quad Cabinet C with Four Channels

		490 GC Mainframe	2
3.01	1	0490401400	490-GC, Four channels Quad Cabinet
		CP505532490, User Power Supply. Note:	Sample Filter Kit with 5 Filters
		490 GC Voitage O	, ,
3.02	1	CP49PWR110	MICRO-GC CP-4900 POWER CABLE OPTION
		490 GC Field Case	Options
3.03	1	CP740328	BATTERY PACK FOR CP-4900
3.04	1	CP740427	CHARGER FOR CP-4900 BATTERY PACK, NIMH
3.05	1	CP740291	CP-4900 2CH AUX. POWER CABLE, CIGARETTE
		490 GC Sample In	let Options
3.06	1	CP490100	CP-4900 ONE SAMPLE INLET
		490 GC Factory A	ssembly
3.07	1	CP49INLFRONT	CP-4900 SAMPLE INLET FRONT UNHEATED-
		490 GC Standard	njector Channel
3.08	2	0492001360	Micro-GC Channel, Mol. Sieve 5A, 10 m Heated Injector, Factory Installed
3.09	1	0492001440	Micro-GC Channel, Al2O3/KCI PLOT, 10 m Heated Injector, Factory Installed
3.10	1	0492001460	Micro-GC Channel, PoraPLOT U, 10 m Heated Injector, Factory Installed



item Qty Part Number Product Description

		the section is a service between the property of the section of th	The second secon
3.12	1	CP49CHAN1SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 1 MS
3.13	1	CP49CHAN2SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 2 MS
3.14	1	CP49CHAN3SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 3 PPU
3.15	1	CP49CHAN4SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 4 AI
3.16	1	CP49CHAN2IN	CP-4900 PS2 SAMPLE INLET S1 OR S2 S1
3.17	1	CP49CHAN3IN	CP-4900 PS3 SAMPLE INLET S1 OR S2 S1
3.18	1	CP49CHAN4IN	CP-4900 PS4 SAMPLE INLET S1 OR S2 S1
3.19	1	CP49CHAN1IN	CP-4900 PS1 SAMPLE INLET S1 OR S2
		490 GC Carrier Gas	Option
3.20	1	CP490111	CP4900 TWO SEPARATED CARRIER GASES th two separated carrier gases. Requires specification which
3.21	1	СР49НЕН2	CP-4900 CARRIER GAS HELIUM OR HYDROGEN Helium
3.22	1	CP49ARN2	CP-4900 CARRIER GAS ARGON OR NITROGEN Argon
3.23	1	CP49CHAN1GAS	CP-4900 CHOICE OF CARRIER GAS ON Argon
3.24	1	CP49CHAN2GAS	CP-4900 CHOICE OF CARRIER GAS ON



(Section Section 1984)	Server en					
Item	Qty	Part Number	Product Description			
3.25	1	CP49CHAN3GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium			
3.26	1	CP49CHAN4GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium			
		Galaxie Software				
3.27	1	0395000095	Galaxie software with Varian GC Control, 1			
		 Galaxie data sys 	tem CD-ROM includes manuals in Adobe Acrobat format			
		Includes the license for installation on 1 (one) computer and allows the				
		connection of 1 (one)				
	 Provides full instrument control and method download capability for Varian GCs — 					
	3900 GC and 3800 GC with 8400, 8410, and CombiPAL AutoSamplers, 3400 GC					
	and 3600 GC with GC-controlled 8200 AutoSamplers, CP-4900 uGC, CP-2002/2003					
		uGC, and Valco SSV				
		 Supports analog 	data acquisition via the Star 800 MIB. (Star 800 MIB is NOT			
			tware and must be purchased separately.)			
			dows 2000 or Windows XP Professional			
			* * * * * * * * * * * * * * * * * * * *			

Section 4 Quad Cabinet D with Four Channels

490 GC Mainframe

4.01 1 0490401400

490-GC, Four channels

Quad Cabinet

Each Micro-GC main frame includes:

CP736729, External Sample Filter Kit with 5 Filters

CP505532490, User Manual on CD ROM

Power Supply. Note: include P/N of Voltage (Power) Option.

Ethernet card (CP740573) and 2.8 m cross over cable (CP740573)



ltem	Qty	y Part Number	Product Description
		490 GC Voltage	Options
4.02	1	CP49PWR110	MICRO-GC CP-4900 POWER CABLE OPTION
		490 GC Field Ca	se Options
4.03	1	CP740328	BATTERY PACK FOR CP-4900
4.04	1	CP740427	CHARGER FOR CP-4900 BATTERY PACK, NIMH
4.05	1	CP740291	CP-4900 2CH AUX. POWER CABLE, CIGARETTE
		490 GC Sample I	nlet Options
4.06	1	CP490100	CP-4900 ONE SAMPLE INLET
		490 GC Factory	Assembly
4.07	1	CP49INLFRONT	CP-4900 SAMPLE INLET FRONT UNHEATED-
		490 GC Standard	Injector Channel
4.08	2	0492001360	Micro-GC Channel, Mol. Sieve 5A, 10 m
			Heated Injector, Factory Installed
4.09	1	0492001440	Micro-GC Channel, Al203/KCI PLOT, 10 m
4.10		0402004 400	Heated Injector, Factory Installed
4.10	1	0492001460	Micro-GC Channel, PoraPLOT U, 10 m Heated Injector, Factory Installed

4.12	1	CP49CHAN1SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 1
4.13	1	CP49CHAN2SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 2 MS
4.14	1	CP49CHAN3SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 3 PPU
4.15	1	CP49CHAN4SAMP	CP-4900 CHOOSEN GC CHANNEL POSITION 4 AI



ltem	Qt	y Part Number I	Product Description
4.16	1	CP49CHAN2IN	CP-4900 PS2 SAMPLE INLET S1 OR S2 S1
4.17	1	CP49CHAN3IN	CP-4900 PS3 SAMPLE INLET S1 OR S2 S1
4.18	1	CP49CHAN4IN	CP-4900 PS4 SAMPLE INLET S1 OR S2 S1
4.19	1	CP49CHAN1IN	CP-4900 PS1 SAMPLE INLET S1 OR S2
		490 GC Carrier Ga	s Option
4.20	1	CP490111 CP-4900 configured w carrier gas is used by	CP4900 TWO SEPARATED CARRIER GASES rith two separated carrier gases. Requires specification which each channel.
4.21	1	СР49НЕН2	CP-4900 CARRIER GAS HELIUM OR HYDROGEN _ Helium
4.22	1	CP49ARN2	CP-4900 CARRIER GAS ARGON OR NITROGEN Argon
4.23	1	CP49CHAN1GAS	CP-4900 CHOICE OF CARRIER GAS ON Argon
4.24	1	CP49CHAN2GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium
4.25	1	CP49CHAN3GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium
4.26	1	CP49CHAN4GAS	CP-4900 CHOICE OF CARRIER GAS ON Helium
		Galaxie Software	
4.27	1	0395000095	Galaxie software with Varian GC Control, 1

- Galaxie data system CD-ROM includes manuals in Adobe Acrobat format
- Includes the license for installation on 1 (one) computer and allows the connection of 1 (one) instrument.
- Provides full instrument control and method download capability for Varian GCs 3900 GC and 3800 GC with 8400, 8410, and CombiPAL AutoSamplers, 3400 GC and 3600 GC with GC-controlled 8200 AutoSamplers, CP-4900 uGC, CP-2002/2003 uGC, and Valco SSV.
- Supports analog data acquisition via the Star 800 MiB. (Star 800 MiB is NOT included with the software and must be purchased separately.)
- Runs under Windows 2000 or Windows XP Professional

Computers: (4) IBM compatible desktop with Windows XP Pro installed and data acquisition and network cards and a networked laser printer.

LABORATORY SPACE REQUIREMENTS

The respondent must demonstrate that the proposed product meets or is functionally equivalent to the following technical requirements:

Exterior Construction: 0.080 pre painted aluminum panels, edge butted, riveted and adhered with industrial bonding tape and/or adhesive. exterior edges trimmed with aluminum extrusion insulated with 1.5° sprayed foam.

Side Posts: 0.125 wall aluminum extrusion

Roof: One piece, 0.040 aluminum, edges captured with aluminum extrusion and sealed

Roof Bows: 0.125 wall aluminum extrusion

Rear Wall: 2" x 2" x 0.125 wall 1018 mild steel structural tubing framing with appropriate spacing to attach ECU

Entry Door: Tubing frame, sheeted inside with aluminum. Exterior skin same as balance of unit. Rubber gasket weather stripping. Fold down steps with hand rails. Window in entry door.

Hydraulics: 5 hp 120 VAC electric pump motor, hydraulic pump, reservoir, high pressure hydraulic hoses and fittings. 12 VDC secondary hydraulic pump. Hydraulic control system with wireless remote. Synthetic hydraulic fluid.

Exterior Misc.: Belly storage boxes, 12 VDC lighting. Gas struts. lateral arm awning 22' x 9' 9".

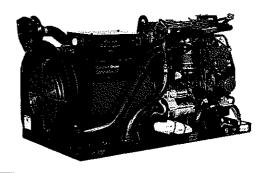
Slide Out: (1) 20' long, 3' extension of aluminum structural construction.

Power: 20 kW generator, single phase, 120/240 VAC, 60 Hz. Diesel fuel injected, water cooled engine. Fuel tank and/or transfer system from prime mover. Installed under body, on air bags in a sound attenuated enclosure.

Electric Panel: 100 amp breaker box and wiring. Shore power connection, Shore power, auto transfer, cable 50'.

The roof hatch will be electronically operated with mast access door. All appropriate wire/cable traces, color back-up camera with at least 7" LCD. Will have ability for external communication desk. Scene lighting will be made using aircraft grade aluminum alloy to save weight and add strength, will be engineered to be easily mounted on the roofs of vehicles, or anywhere on the vehicle that has space and strength, and require only electricity to perform all functions. Light will have the ability to extend up to 10.5 feet above their mounted surface and be operated from the ground using an umbilical remote control. Ability to monitor, activate automation and control all hydraulic and electrical subsystems.

Commercial Generator Set Standard Diesel[™] Series SD 20 kW 60 Hz



Cummins Onan

Performance you rely on.™



Features and benefits

- Low vibration for smooth operation
- · Powerful 40 hp engine
- User-friendly remote control option
- Bottom mounted radiator for increased cooling efficiency and smaller package size
- Complete, integrated package for easy, low-cost installation
- Integrated muffler for added quietness and ease of installation
- Service and maintenance points easily accessible (single-side)
- Engine meets interim Tier IV emissions
- · Excellent motor starting capability
- · Bulkhead fuel and battery connections
- Single side cooling air inlet, bottom cooling air discharge
- Field Effect Transistor (FET) control
- Electronic governing for precise frequency control
- · Less than 4% total harmonic distortion at full load
- SAE J1939 CANbus output
- Engine oil cooler
- Multiple fuel and battery block mounting locations

Weight, size and sound level

Weight: 890 lb (404 kg)

Size: Length 48.9 in (1241 mm), width 23.6 in

(600 mm), height 27.9 in (708 mm)

Sound: 60 Hz (single phase) 81.9 dB(A) at 10 ft

(3 m) before installation, full load

Models and ratings

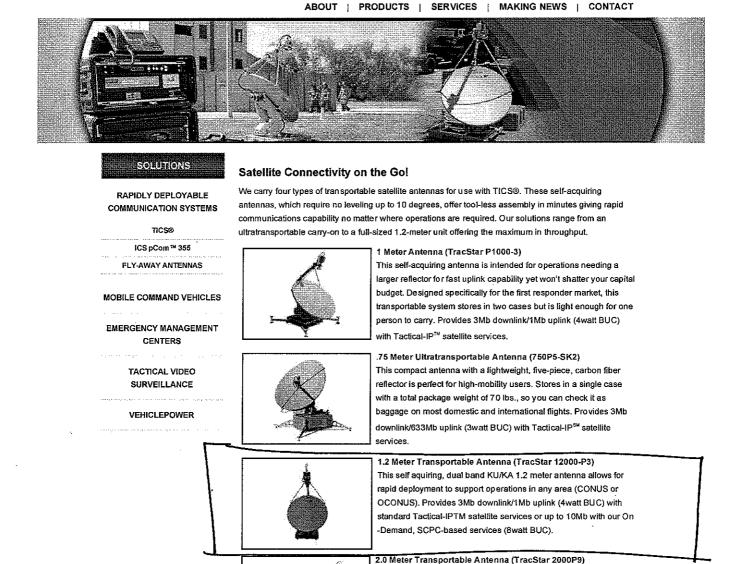
Model	Fan	Hz	Watts	Voltage	Amps	PF	Phase	Circuit breaker
20HDKAW-2008A	Scroll*	60	20000	120/240	166.67/83.33	1.0	1	2-pole, 85 A

- All 60 Hz models operate at 1800 r/min.

- Ratings apply up to 500 ft (152.4 m) altitude, 85 °F (29 °C) ambient with No. 2 diesel fuel.

 Maximum power capability decreases 3.5% for each 1000 ft (305 m) above 500 ft (153 m) and 1% for each 10 °F (5.5 °C) increase in ambient temperature above 85 °F (29 °C).

*DC compartment cooling fan supplied with generator set,



For organizations needing the maximum flexibifity in uplink capability and data rates, our largest antenna allows for rapid deployment to support operations in any area (CONUS or OCONUS). Provides 3Mb downlink/1Mb uplink (4watt BUC) with standard Tactical-IPTM satellite services or up to 10Mb with our On-

Demand, SCPC-based services (8watt BUC).

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SERVICE OFFERINGS

TACTICAL-IP

Satellite Management Portal

TACTICAL-VOICE

PROFESSIONAL SERVICES



Tactical-IP: Satellite Connectivity for First Responders.

When disaster strikes, first responders know communications access is crucial to their relief efforts. For those times when the terrestrial communications infrastructure is unavailable, damaged, destroyed or overloaded, satellite-based communications can provide a lifeline for people on the front lines of public safety and emergency preparedness.

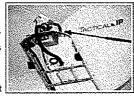


Incident scenes are unpredictable. Response teams need 100% dependable communications no matter where they are operating. Tactical-IP™ portfolio of satellite-based services enables users to communicate instantly, access the Internet, and extend agency networks to any mobile environment.

Accessible

Robust

Terrestrial communications aren't guaranteed to be available. First responders need to be prepared. Satellite-based services give first responders the communications they need to do their job, when they need to do their job regardless of existing infrastructure. With access to multiple satellite networks and globally positioned uplink ground stations, Tactical-IP service can be accessed in a moments notice providing reliable access to data, voice and video communications at the push of a button.



Reliable

First responders require the maximum in their system's uptime and availability. Built to support IP networking, Tactical-IP offers solutions that integrate voice, video and high speed data allowing users to maintain complete control of incident communications and operations from any incident scene, regardless of location or conditions.

Versatile

First Responders need well-rounded solutions. Tactical-IP gives first responders unparalleled access to mission critical information wherever the incident dictates. Providing solutions for mobile auto-acquire systems as well as fixed site antennas, each of our plans offer TDMA-based VSAT services with a 3-Mbps Downlink and 1-Mbps Uplink across Continental United States and parts of Canada.

Cost Effective Plans

Tactical-IP satellite service offerings are not limited in operation. We offer various packages with different levels of service giving agencies a costeffective method for managing satellite communication costs. Understanding that the monthly operational costs of satellite have previously been out of reach of the First Responder community, we've crafted our Tactical-IP offerings cover the varying needs of First Responders with packages that allow for training, quick response efforts, and long term relief and response operations all while maintaining affordable on-going costs.

Affordable Satellite Connectivity for Emergency Services

First responders don't have time or money to spare, so we offer a variety of packages and pricing on the satellite service:

Tactical-IP RESPONDER \$325 per month Offering 10-days per month usage, Tactical-IP Responder allows you to deploy the system many times a month for training, testing and response operations, yet have bandwidth available for high volume periods. The plan remains affordable for the majority of time requiring low or no volume The plan offers 3M x 1M Ku-Band Carrier Solution with a 4W BUC (across-Continental United States and parts of Canada). Additional overage days are billed at \$55 per day.

Tactical-IP COMMUNICATOR \$525 per month

Designed for agencies with more robust requirements, Communicator offers the ability to maximize usage days in a given month without worrying about per-day overage charges. Utilizing the Communicator plan, the terminal can transmit up to 9 Gigabytes of inbound and Outbound IP-based traffic over the month without incurring additional charges.

The plan offers $3M \times 1M \text{ Ku-Band Carrier Solution with a 4W BUC (across Continental United States and parts of Canada). Overage is charged at a rate of $0.072 per Megabyte in excess of the base 9 Gigabytes.$

Tactical-IP BANDWIDTH ON DEMAND

For those customers who prefer a low-cost monthly plan, but need the ability to turn-up the maximum available bandwidth for mission-critical operations, we are proud to offer the Bandwidth on Demand (BoD) option.

Available as a day-rate charge on either the Communicator or Enterprise plan, BoD allows the user to arrange for up to 2Mbps* dedicated-use uplink. This allows for the flexibility to transmit the maximum amount of traffic for Video-Teleconferencing, Backup Dispatch / CAD communications, Video Surveillance or any other bandwidth-intensive application. The downlink remains in the 3Mbps TDMA burst pool to create a cost-effective solution, yet allowing dedicated bandwidth for mission-critical applications.

*2Mbps uplink requires .96-meter antenna with minimum 6W Block-Upconverter (BUC) in CONUS. Contact one of our sales engineers to inquire if your existing hardware is capable of Tactical-IP 8oD.

Tactical-IP ENTERPRISE Customized Pricing

For those agencies or enterprises that need a customized link plan, involving flat-rate, full-access to satellite bandwidth, the Tactical-IP Enterprise Plan allows for as completely customized plan. Bi-directional link speeds can be customized in 64 Kpbs increments from 128Kbps up to 4 Mbps outbound and from 128Kbps up to 2 Mbps inbound.

Suitable for COOP and fixed installations, Enterprise allows for complete control over how the link is sized. The plan offers a fixed-price monthly charge with no usage-based overage charges our innovative iDirect TDMA access technology. SCPC symmetric links are also available.

Pricing for Tactical-IP Enterprise is customized for each individual application. Contact one of our sales engineers to determine the best configuration for your Concept of Operations or Mission Requirements

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SERVICE OFFERINGS

TACTICAL-IP

TACTICAL-VOICE

PROFESSIONAL SERVICES

Tactical-Voice: Voice-over-IP (VoIP) Phone Services for First Responders.

When disaster strikes, first responders know communications access is crucial to their relief efforts. For those times when the terrestrial infrastructure is unavailable, damaged, destroyed or overloaded, communications provide a lifeline for people on the front lines of public safety and emergency preparedness.

Incident scenes are unpredictable. Response teams need 100% dependable

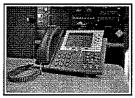


Reliable

communications no matter where they are operating. Our Tactical-Voice™ solution Download Datasheet offers VoIP access allowing reliable communications crucial to the efforts of relief operations. Built using standards-based, off-the-shelf systems, Tactical-Voice terminates VoIP calls from your SIP or H.323 gateway into our highly available Voice network. Our Voice Network was meticulously built using the latest technologies and offers a highly available architecture through the use of redundant gateway systems. Coupled with our Tactical-IP™ Satellite Connectivity for First responders Broadband VSAT service, Tactical-Voice offers completely independent communications regardless of operating conditions or locations.

Versatile and Secure

Technology needs location independence. Primarily designed to work over VSAT Broadband Satellite connections, Tactical-Voice service can also utilize other available means to connect you to the Tactical-Voice network. Acknowledging that the incident timeline or deployment conditions might also bring additional landline communications (i.e. DSL, Cable, T-1), Tactical-Voice allows flexible connectivity for connection to the voice service. AES encryption tunnels are used to secure the voice traffic from your gateway to our voice head-ends regardless of the uplink technology.



Ease of Use

First responders need fluent resources. Tactical-Voice service offers the end-user a single or set of Direct Inward Dial (DID) line appearances from our Voice Network to your VoIP Gateway. All Voice traffic, no matter the source, is transmitted through these lines. The Tactical-Voice Network provides users a local DID phone number "presence" from over 43 LEC markets allowing you to keep a number in your home area code.

Affordable

First responders don't have time or money to spare. With a fixed monthly cost, Tactical-Voice offers flatrate calling plans with no additional monthly charges. This approach allows for organizations with strict operational expense budgets to manage their communications cost, while allowing for robust, resilient communications.

Chose from Basic Tactical-Voice DID at \$50-per-month or Premium Tactical-Voice DID (Basic plus Satellite CIR) at \$75-per-month.

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CISCO2811



Width 43.8 cm
Depth 41.7 cm
Height 4.5 cm
Weight 6.4 kg
Device Type Router

Form Factor External - modular - 1U

Expansion Slots Total (Free) 4(4) x HWIC

1(1) x NME 2(2) x AIM

2 (2) x PVDM - SIMM 80-PIN

2 memory

1 CompactFlash Card

Interfaces

Flash Memory

RAM

2 x USB

2 x network - Ethernet 10Base-T/100Base-TX - RJ-45

1 x management - console - RJ-45

1 x serial - auxiliary - RJ-45

256 MB (installed) / 768 MB (max) - DDR SDRAM

64 MB (installed) / 256 MB (max)

Additional Information Interface Card Slots:

• Each slot can support HWIC, WIC, VIC, or VWIC type modules

RPS

• External only, connector for RPS provided by default

Operation Altitude (derate 1.5°C per 1000 ft):

- 27.5°C @ 15 kft
- 35°C @ 3km/10 kft
- 40°C @ sea level

Package Contents

- 2811 Router
- Power Cord, 110V (CAB-AC)
- Cisco 2800 IOS IP BASE
- Device manager for routers (ROUTER-SDM)
- 256MB DDR DRAM Memory factory default for the Cisco 2800 (MEM2800-256D-INC)
- 64MB CF default for Cisco 2800 Series (MEM2800-64CF-INC)
- Blank WAN Interface Card Panel (WIC-BLANK-PANEL)
- Cisco 2800 and 3800 Series Blank network module panel (NM-28/38BLNK-PANEL)
- Cisco 2811 AC power supply (PWR-2811-AC)
- RJ-45-to-DB-9 console cable and RJ-45-to-DB-25 modem cable for management access
- · One pair of rack-mount brackets with screws for 19-inch racks
- Cisco Product Registration Card
- Cisco 2800 Series Regulatory Compliance and Safety Information document
- Cisco Router and Security Device Manager (SDM) Quick Start

Guide document

• Cisco 2800 Series Integrated Services Routers Quick Start Guide

746320911908

Wired

IPSec

Connectivity Technology

Data Link Protocol

Network / Transport Protocol

Remote Management Protocol

Status Indicators

Features

UPC

SNMP₃ Link activity, power

Ethernet, Fast Ethernet

Modular design, firewall protection, hardware encryption, VPN

support, MPLS support, Quality of Service (QoS)

Compliant Standards

Encryption Algorithm

Authentication Method

IEEE 802.3af

DES, Triple DES, SSL 3.0, 128-bit AES, 192-bit AES, 256-bit AES

Secure Shell v.2 (SSH2)

Compliant Standards CISPR 22 Class A, CISPR 24, EN 61000-3-2, VCCI Class A ITE, IEC

60950, EN 61000-3-3, EN55024, EN55022 Class A, UL 60950, EN50082-1, CSA 22.2 No. 60950, AS/NZ 3548 Class A, JATE, FCC

Part 15, ICES-003 Class A, CS-03, EN 61000-6-2

Power Device Voltage Required

Software Included

Min Operating Temperature Max Operating Temperature Humidity Range Operating

Power supply - internal AC 120/230 V (50/60 Hz) Cisco IOS IP Base

o °C

40.°C 5 - 95%

CISCO IP PHONE 7941 CCME



Our company is a Cisco authorized sales center.

Per Cisco policy, all Cisco sales must be shipped to the end-user customer. Please contact us at 1-866-469-2678 for details or questions.

Product SpecificationsCustomer Reviews

Product Specifications

MANUFACTURER

CISCO

MANUFACTURER PART #

CP-7941G-CCME

PRODUCT DESCRIPTION

CISCO IP PHONE 7941 CCME

PRODUCT TYPE

VOIP PHONE

MAIN FEATURES

INTEGRATED ETHERNET SWITCH, POWER OVER ETHERNET (POE) SUPPORT

VOIP PROTOCOLS

SCCP

VOICE CODECS

G.729A, G.711U

SPEAKERPHONE

YES (DIGITAL DUPLEX)

DISPLAY

LCD DISPLAY - MONOCHROME

NETWORK PORTS QTY

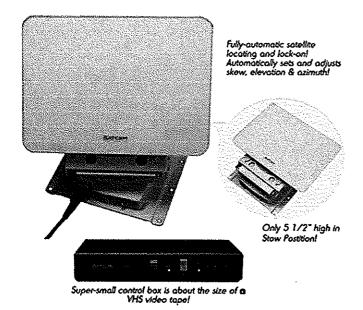
2 X ETHERNET 10BASE-T/100BASE-TX

COMPATIBLE SOFTWARE

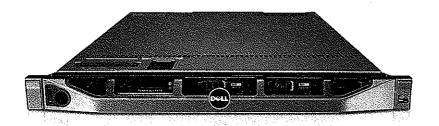
CISCO CALLMANAGER

BUNDLED WITH

1 X USER LICENSE FOR CISCO CALLMANAGER EXPRESS



in place of Dell SC 1425 Server





Dell PowerEdge R610

The Dell™ PowerEdge™ R610 offers simplified management, purposeful design, and energy efficiency combined in a rack server that can help you better manage your enterprise.

Strong IT Foundation

The Dell PowerEdge R610 is a key building block for today's data center. Designed for versatility and high performance, it provides many of the virtualization, system management, and energy-efficiency features you need now and the scalability necessary to change as your business grows. This general purpose Intel® processor-based 2-socket 1U server is ideal for corporate data centers and remote sites that require a dense, highly available single- or dual-processor server at an excellent value.

Purposeful Design

The PowerEdge R610 follows the 11th generation PowerEdge portfolio specifications and features the same system design commonality and reliability true to the entire portfolio. All 11th generation servers are designed to make the experience easier. We put all external ports, power supplies, LCD screens, and LED lights in the same location for familiar experience as well as easy installation and deployment.

Robust, metal hard drive carriers and organized cabling are designed to help improve component access and airflow across the server. The PowerEdge R610 provides an interactive LCD screen or LED display positioned on the front of the server for ease of monitoring and troubleshooting condition of the server.

Enhanced Virtualization

Featuring Intel® Xeon® processor-based architecture, embedded hypervisors, and expanded memory footprint and I/O, the Dell PowerEdge R610 delivers exceptional overall system performance and significant virtual machine-per-server capacity versus the previous generation. With optional factory-integrated virtualization capabilities, you get tailored solutions—built with the latest technologies from Dell and our trusted partners—which allow you to streamline deployment and simplify virtual infrastructures. Choose your hypervisor from market leaders such as VMware®, Citrix®, and Microsoft®, and enable virtualization with a few mouse clicks.

Energy-Optimized Technologies

Dell's advanced thermal control helps optimize performance while minimizing system power consumption, ultimately driving energy efficiency across our latest core data center servers. These enhancements, over previous generations, include efficient power supply units right-sized for system requirements, improved system-level design efficiency, policy-driven power and thermal management, and highly efficient standards-based Energy Smart components. Dell's advanced thermal control is designed to deliver optimal performance at minimum system and fan power consumption resulting in our quietest mainstream 1U servers to date.

Simplified Systems Management

With the optional advanced embedded systems management capabilities of Lifecycle Controller, Dell provides comprehensive enterprise class manageability already on the motherboard. Lifecycle Controller is delivered as part of the optional iDRAC Express or iDRAC Enterprise in the PowerEdge R610. The Lifecycle Controller helps to simplify administrator tasks by performing a comprehensive set of provisioning functions such as system deployment, system updates, hardware configuration and diagnostics from a single intuitive interface called Unified Server Configurator (USC) in a pre-OS environment. This helps eliminate the need to use and maintain multiple pieces of disparate CD/DVD media.

Also part of the Dell OpenManageTM portfolio is the Dell Management Console which is included with every Dell server and provides IT administrators with a consolidated console view of their IT infrastructure.

Dell Services

Delt Services can help reduce IT complexity, lower costs, and eliminate inefficiencies by making IT and business solutions work harder for you. The Delt Services team takes a holistic view of your needs and designs solutions for your environment and business objectives while leveraging proven delivery methods, local talent, and in-depth domain knowledge for the lowest TCO.

Inspired by customer feedback, the Dell PowerEdge R610 server is engineered to simplify data center operations, improve energy efficiency, and lower total cost of ownership.

Feature	Technical Specification				
Form Factor	1U rack height				
Processors	Latest quad-core or six-Core Intel® Xeon® processors 5500 and 5600 series				
Processor Sockets	2				
Front Side Bus or HyperTransport	Intel® QuickPath Interconnect (QPI)				
Cache	4MB and 8MB				
Chipset	intel 5520				
Memory ¹	Up to 192GB (12 DIMM slots/6 per-processor): 1GB/2GB/4	GB/8GB/16G8 DDR3 800MHz, 1066MHz or 1333MHz			
I/O Slots	Two x8 Gen2 slots				
RAID Controller	Internal: PERC H200 (6Gb/s) PERC H700 (6Gb/s) with 512MB battery-backed cache; 512MB, 1GB Non-Volatile battery-backed cache SAS 6/iR PERC 6/i with 256MB battery-backed cache	External: PERC H800 (6Gb/s) with 512MB of battery-backed cache; 512MB, 1GB Non-Volatile battery-backed cache PERC 6/E with 256MB or 512MB of battery-backed cache External HBAs (non-RAID): 6Gbps SAS HBA SAS 5/E HBA LSI2032 PCIe SCSI HBA			
Drive Bays	internal hard drive bay and hot-plug backplane. Up to six 2.5° SAS, or SSD Drives				
Maximum Internal Storage	3.6TB with six 600GB SAS drives				
Hard Drives ¹	2.5° SAS (15K RPM): 73GB, 146GB 2.5° SAS (10K): 146GB, 300GB, 600GB 2.5° 6Gbs SAS (10K): 300GB, 600GB	2.5° Enterprise SSD: 50GB, 100GB 2.5° SATA (7.2K): 80GB, 500GB 2.5° Near-Line SAS (7.2k): 500GB			
Communications	Two dual port embedded Broadcom® NetXtreme II™ 5709 Optional 1GBe and 10GBe add-in NICs Broadcom® NetXtreme II® 57711 Dual Port Direct Attach 10 iSCSI Offload Intel® Gigabit ET Dual Port Server Adapter and Intel® Gigab Dual Port 10GB Enhanced Intel Ethernet Server Adapter X5 Brocade® CNA Dual-port adapter Emulex® CNA iSCSI HBA stand up adapter OCE10102-IX-D Emulex® OCE10102-IX-DCNA iSCSI HBA stand-up adapter Optional Add-In HBA's: Brocade® 8 GB HBAs	OGb Ethernet PCI-Express Network Interface Card with TOE and it ET Quad Port Server Adapter 20-DA2 (FCOE Ready for Future Enablement)			
Power Supply	Two hot-plug high-efficient 502W Energy Smart PSU or two hot-plug 717W High Output PSUs Uninterruptible Power Supplies: 1000W-5600W 2700W-5600W High Efficiency Online Extended Battery Module (EBM) Network Management Card				
Availability	DDR3 memory; ECC; hot-plug hard drives; optional hot-pl failover and load balancing support; optional PERC6/i integ plug regundant cooling; tool-less chassis, fibre and SAS clu	grated daughtercard controller with battery-backed cache; hot-			
Video	Integrated Matrox® G200, 8MB shared video memory				
Remote Management	iDRAC6 Enterprise (optional)				
Systems Management	Dell™ OpenManage™				
Rack Support	ReadyRaits™ sliding rails with optional cable management arm for 4-post racks (optional adapter brackets required for threaded hole racks); ReadyRails™ static rails for 2-post and 4-post racks				
Operating Systems	Microsoft® Windows® Small Business Server 2008 Microsoft® Windows® Essential Business Server 2008 Microsoft® Windows Server® 2008 SP2, x86/x64 (x64 includes Hyper-V™) Microsoft® Windows Server® 2008 R2, x64 (includes Hyper-V™ v2) Microsoft® Windows® HPC Server 2008 Novell® SUSE® Linux® Enterprise Server Red Hat® Enterprise Linux® Sun® Solaris™ Optional Embedded Hypervisors: Citrix® XenServer™ Microsoft® Hyper-V™ via Microsoft® Windows Server® 2008 VMware® vSphere™ 4.1 (including VMware ESX® 4.1 or VMware ESXi™ 4.1)				
Featured Database	For more information on the specific versions and addition Microsoft® SQL Server® solutions (see Dell.com/SQL)	s, visit www.dell.com/OSsupport.			

* GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

OEM Ready Models Available

OEM Ready platforms are grab-and-go products for OEM customers delivering a fast and simple path to a custom-branded solution. For more information, please visit dell.com/OEM.

Learn more at Dell.com/PowerEdge

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ES30C/ES31C Series Positioning System

ESPRIT® SYSTEM WITH IOP CAMERA AND OPTIONAL WIPER

Product Features

- Receiver, Pan/Tilt, and Enclosure with an Integrated Optics Package (IOP)
- · Programmable Camera Settings
- · Programmable Camera Title
- · On-Screen Compass, Tilt, and Zoom Display
- · Auto Iris with Manual Override
- · Auto Focus with Manual Override
- · AC Line Lock
- · Variable Speed Pan: 0.1° to 100°/Sec with Proportional Pan
- · 360° Continuous Pan Rotation
- Zone Blanking: Allows up to 8 Zones (Programmable in Size) to be Set to Output Blank Video
- Tilt Range of +33° to -83° from Horizontal
- · Preset Positioning, Patterns, Multiple Scan Modes
- Designed for Minimal Maintenance, No Gears to Adjust



ESPRIT IOP SYSTEM WITH WIPER (SHOWN WITH WALL MOUNT AND POLE ADAPTER)

Pelco's **ES30C/ES31C** Esprit® Positioning System features a receiver, pan/tilt, enclosure, and Integrated Optics Package (IOP) in a single, easy-to-install system. The IOP contains an autofocus camera and lens module with programmable features.

For a wide range of applications, the **ES30C** and **ES31C** Series features a choice of four different IOP cameras:

- Day/night camera (540 TVL) with an infrared cut filter, 35X zoom lens (35X optical, 12X digital), and electronic image stabilization
- Day/night camera (520 TVL) with an infrared cut filter and 24X zoom lens (24X optical, 10X digital)
- High resolution color camera (470 TVL) with LowLight[™] color technology and 22X zoom lens (22X optical, 10X digital)
- High resolution color camera (470 TVL) with LowLight color technology and 16X zoom lens (16X optical, 10X digital)

A powder-coated, aluminum construction makes the **ES30C** and **ES31C** ideal for either indoor or outdoor applications. The system has an absolute operating temperature range of -50° to 140°F (-45° to 60°C). Within two hours after power-up, the entire unit can de-ice and be operational from a temperature of -13°F (-25°C).

The **ES31C Series** includes a window wiper. The wiper is completely integrated into the enclosure and does not interfere with the viewing range of the system. The wiper can be programmed to delay between wipes and to automatically shut off after a specified period. The wiper design also allows for easy replacement of the wiper blade. A built-in heater, window defroster/defogger, sun shroud, and insulation blanket are standard features on the **ES30C** and **ES31C** units. All units also include an open collector auxiliary output that functions for two seconds before deactivating.

The **ES30C** and **ES31C** Series variable pan and tilt speeds range from 0.1 to 40 degrees per second in manual pan mode and 0.1 to 20 degrees per second in manual tilt. Pan preset and turbo speeds are 100 degrees per second in wind speeds of 50 mph and 50 degrees per second in the 90 mph wind-speed profile. Tilt preset speed is 30 degrees per second. The **ES30C** and **ES31C** are capable of 360 degrees of continuous pan rotation. The tilt range allows for horizontal viewing of +33 to -83 degrees. There are 64 programmable preset positions with a preset accuracy of one-quarter degree.

The systems are available with an input voltage of 24 VAC or with a selectable power source of 120/230 VAC. The **ES30C** and **ES31C** also have a power-up recovery mode that allows the user to specify what operation the system will resume whenever the power is cycled.



IP66



(







in place of 15 Phillips multifunction





26 Larger Photos

Questions & Knowledge & Warranty Answers Information Terms

Acer M200A 20" HDMI LCD HDTV

The Acer M200A 20" HDMI LCD HDTV provide a PC input and TV functions in one. The Acer M200A 20" HDMI LCD HDTV is built with duo HDMI ports, one VGA port and duo component ports. With 16:9 aspect ratio, the Acer M200A renders widescreen views of your favorite TV program or movie.

What It is And Why You Need It:

- 1600x900 Resolution
- 1000:1 Native Contrast Ratio
- . 5ms Response Time

Specifications

 Display Area: 20" LCD Display Type: Aspect Ratio; 16:9 Contrast Ratio: 1,000:1 · Resolution: 1600 x 900 Screen Refresh Rate: 60Hz

· Response Time: 5 тѕ Signal Compatibility: 720p Input Video Signal: ATSC

CAM NTSC

 Condition: New Features: PC Input Speakers:

• Inputs: РC Component Video

HDM VGA Analog Audio

· Outputs: Digital Audio Out · Output Terminals: Headphone HDMI Ports:

ADDITIONAL PRODUCT FEATURES

- · Deterrent Surveillance
- Integral Multiprotocol (Coaxitron®, RS-422 Pelco D and Pelco P Protocols) Receiver/Driver
- · Digital Position and Zoom Control and Feedback Using Pelco D Protocol
- · Integral Camera Enclosure
- Operational in 90 mph Winds, Can Withstand Wind Velocity up to
- Pan Preset Speed of 100°/Sec in 50 mph Winds and 50°/Sec in 90 mph Winds
- Variable Scan Speeds (1-40°/Sec)
- · Translator Boards for Selected Competitive Protocols
- · Easy to Install: Quick and simple electrical connections
- 24 VAC or 120/230 VAC Selectable
- Full Continuous-Duty Warranty
- 850 nm and 950 nm Active IR Illumination Focus Algorithms (24X and 35X models only)

SOFTWARE/HARDWARE

- 64 Programmable Presets with Labels
- · Auto, Frame, and Random Scan
- · Programmable Power-up Mode
- · Programmable Park
- · Programmable Manual Limit Stops (Pan)
- · Programmable Scan Limit Stops (Pan)
- Patterns
- · Proportional Pan/Tilt
- 8 Zones (programmable in size) Can Be Labeled with up to 20 Characters
- Up to 8 Zones (programmable in size) Can Be Set to Output Blank Video
- 10-Inch Integrated Enclosure with Pre-Assembled, IOP Camera
- Sun Shroud, Heater/Window Defroster, and Insulation All Standard
- 1 Auxiliary Output
- · Integrated Window Wiper with Programmable Delay and Shut-Off (ES31C Models)

ELECTRICAL

nou	:Vo	ltage	

24, 120, or 230 VAC, 50/60 Hz; switch selectable for 120/230 VAC inputs

Input Voltage Range

Power Consumption Heater and Defroster Maximum 70 VA per system Thermostatically controlled

Electrical Connections

2 power source connections made at mount location with wire splices and 1 ground wire splice; 1 BNC receptacle and 4 wire splices at mount location for RS-422 Pelco D and Pelco P protocols; 2 wire splices for open collector

auxiliary output

Aux 2

Open collector output with 2-second activation; connected relay must require no more than 32 VDC and 40 mA to energize relay coil; wire length between Esprit and relay must be less than 100 ft (30 m)

Video Coaxial Cable

Max. Wiring Distances

Cable Type* Maximum Distance RG59/U 750 ft (229 m) RG6/U 1,000 ft (305 m) RG11/U 1,500 ft (457 m)

*Minimum cable requirements:

75-ohms impedance; all-copper center conductor, all copper braided shield with 95% braid coverage

MECHANICAL

Pan Movement Vertical Tilt Variable Pan/Tilt Speed

360° Continuous pan rotation Unobstructed +33° to -83°

0.1° to 40°/sec variable-speed operation, 100°/sec Turbo 0.1° to 20°/sec variable-speed operation

Preset Speeds Pan

30°/sec

Camera Mounting Integrated carnera sled assembly Latches One link-lock, No. 3 stainless-steel tatch; can

100°/sec

be secured with padlock (not supplied)

GENERAL

Operating Environment

Tilt

Construction Die-cast, extruded and sheet aluminum;

stainless steel hardware

Finish Gray polyester powder coat

0.23" (5.84 mm) thick, optically clear impact/ Viewing Window

scratch-resistant coated Lexan®

-50° to 122°F (-45° to 50°C) for sustained Operating Temperature

system operation or 140°F (60°C) absolute maximum. Within two hours after power-up, the entire unit can de-ice and be operational from a temperature of -13°F (-25°C).

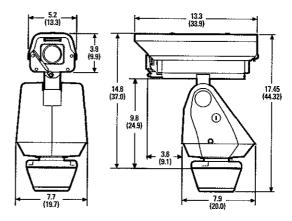
Will remain operational in 90 mph wind

conditions; withstands 130 mph

Weight	With Pedestal Adapter	With Wall Mount
Unit	r cucator Audpter	AAGU IAIDRISE
Standard w/IOP	20 lb (9.0 kg)	22 lb (9.9 kg)
With Wiper and IOP	21 lb (9.5 kg)	23 lb (10.4 kg)
Shipping	- -	, 0,
Standard w/IOP	25 lb (11.3 kg)	28 lb (12.6 kg)
With Wiper and IOP	26 lb (11.7 kg)	29 Jh (13 1 kg)

CERTIFICATIONS/RATINGS/PATENTS

- · CE, Class B
- FCC, Class B
- UL/cUL Listed
- C-Tick
- GOST
- Meets NEMA Type 4X and IP66 standards U.S. Patents 340,940 and 5,224,675



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.

TECHNICAL SPECIFICATIONS

CAMERA/OPTICS

	Day/Night (35X)	Day/Night (24X)	Color, LowLight (22X)	Color, LowLight (16X)
Signal Format	NTSC, PAL	NTSC, PAL	NTSC, PAL	NTSC, PAL
Scanning System	Progressive	2:1 Interlace	2:1 Interlace	2:1 Interlace
Image Sensor	1/4-inch EXview HAD™ CCD	1/4-inch CCD	1/4-inch EXview HAD CCD	1/4-inch interline transfer CCD
Effective pixels NTSC PAL	768 (H) x 494 (V) 752 (H) x 582 (V)	768 (H) x 494 (V) 724 (H) x 582 (V)	768 (H) x 494 (V) 752 (H) x 582 (V)	768 (H) x 494 (V) 752 (H) x 582 (V)
Horizontal Resolution NTSC PAL	>540 TV lines >540 TV lines	>520 TV lines >520 TV lines	>470 TV lines >460 TV lines	470 TV lines 480 TV lines
Lens	f/1.4 (focal length, 3.4~119 mm optical)	f/1.2 (focal length, 3.8-91.2 mm optical)	f/1.6 (focal length, 4–88 mm optical)	f/1.4 (focal length, 4~64 mm optical)
Zaam	35X optical, 12X digital	24X optical, 10X digital	22X optical, 10X digital	16X optical, 10X digital
Zoom Speed (optical range)	3.2 /4.6/6.6 seconds	3.9 seconds	3.9 seconds	3.6 seconds
Horizontal Angle of View Focus	55.8° at 3.4 mm wide zoom; 1.7° at 119 mm telephoto zoom Automatic with manual override	50.7° at 3.8 mm wide zoom; 2.3° at 91.2 mm telephoto zoom Automatic with manual override	47.3° at 4.0 mm wide zoom; 2.2° at 88 mm telephoto zoom Automatic with manual override	43° at 4.0 mm wide zoom; 3° at 64 mm telephoto zoom Automatic with manual override
Maximum Sensitivity @ 35 IRE NTSC	0.55 lux at 1/60 sec shutter (color)	0.005 lux at 1/2 sec shutter (color)	0.02 lux at 1/2 sec shutter	0.05 lux at 1/2 sec shutter
,4100	0.063 lux at 1/4 sec shutter (color) 0.00018 lux at 1/2 sec shutter (B-W)	0.015 lux at 1/60 sec shutter (B-W) 0.0005 lux at 1/2 sec shutter (B-W)	olde for at 172 and olivers	5.55 Idi de 1/2 555 silatesi
PAL	0.050 lux at 1/50 sec shutter (color) 0.062 lux at 1/3 sec shutter (color) 0.00014 lux at 1/1.5 sec shutter (B-W)	0.005 lux at 1/1.5 sec shutter (color) 0.015 lux at 1/50 sec shutter (B-W) 0.0005 lux at 1/1.5 sec shutter (B-W)	0.02 lux at 1/1.5 sec shutter	0.05 lux at 1/1.5 sec shutter
Sync System	Internal/AC line lock, phase adjustable using remote control, V-Sync	Internal/AC line lock, phase adjustable using remote control, V-Sync*	Internal/AC line lock, phase adjustable using remote control, V-Sync*	Internal/AC line lock, phase adjustable using remote control, V-Sync*
White Balance	Automatic with manual override	Automatic with manual override*	Automatic with manual override*	Automatic with manual override*
Shutter Speed NTSC PAL	Automatic (electronic iris)/Manual 1/2-1/30,000 1/1.5-1/30,000	Automatic (electronic iris)/Manual 1/2-1/30,000* 1/1.5-1/30,000*	Automatic (electronic iris)/Manual 1/2~1/30,000* 1/1.5~1/30,000*	Automatic (electronic iris)/ Manual 1/2~1/30,000* 1/1.5~1/30,000*
Iris Control	Automatic with manual override	Automatic iris control with manual override*	Automatic iris control with manual override*	Automatic iris control with manual override*
Gain Control	Automatic/OFF*	Automatic/OFF*	Automatic/OFF*	Automatic with manual override*
Video Output	1 Vp-p, 75 ohms	1 Vp-p, 75 ohms	1 Vp-p, 75 ohms	1 Vp-p, 75 ohms
Video Signal-to- Noise	>50 dB	>50 dB	>50 dB	>46 dB
Electronic Image Stabilization	Integrated		_	_

^{*}Manual control of camera setup functions can be done with CM6700, CM6800, CM8500, CM9500, CM9700 Series, KBD200A, KBD300A, and MPT9500 controllers, but not with CM7500, MPT9000 or KBD9000 controllers.

MODELS

		Pedestal Mount*		Wall Mount**		
Model		Format	24 VAC	120/230 VAC	24 VAC	120/230 VAC
16X Color	Standard	NTSC PAL	ES30C16-2N ES30C16-2N-X	ES30C16-5N ES30C16-5N-X	ES30C16-2W ES30C16-2W-X	ES30C16-5W ES30C16-5W-X
	With Wiper	NTSC PAL	ES31C16-2N ES31C16-2N-X	ES31C16-5N ES31C16-5N-X	ES31C16-2W ES31C16-2W-X	ES31C16-5W ES31C16-5W-X
22X Color	Standard	NTSC PAL	ES30C22-2N ES30C22-2N-X	ES30C22-5N ES30C22-5N-X	ES30C22-2W ES30C22-2W-X	ES30C22-5W ES30C22-5W-X
	With Wiper	NTSC PAL	ES31C22-2N ES31C22-2N-X	ES31C22-5N ES31C22-5N-X	ES31C22-2W ES31C22-2W-X	ES31C22-5W ES31C22-5W-X
24X	Standard	NTSC PAL	ES30CBW24-2N ES30CBW24-2N-X	ES30CBW24-5N ES30CBW24-5N-X	ES30CBW24-2W ES30CBW24-2W-X	ES30CBW24-5W ES30CBW24-5W-X
Day/ Night	With Wiper	NTSC PAL	ES31CBW24-2N ES31CBW24-2N-X	ES31CBW24-5N ES31CBW24-5N-X	ES31CBW24-2W ES31CBW24-2W-X	ES31CBW24-5W ES31CBW24-5W-X
35X Day/ Night	Standard	NTSC PAL	ES30CBW35-2N ES30CBW35-2N-X	ES30CBW35-5N ES30CBW35-5N-X	ES30CBW35-2W ES30CBW35-2W-X	ES30CBW35-5W ES30CBW35-5W-X
	With Wiper	NTSC PAL	ES31CBW35-2N ES31CBW35-2N-X	ES31CBW35-5N ES31CBW35-5N-X	ES31CBW35-2W ES31CBW35-2W-X	ES31CBW35-5W ES31CBW35-5W-X

^{*}Pedestal mount models include Esprit EPP pedestal adapter.

REPLACEMENT INTEGRATED OPTICS PACKAGE (10P CAMERA) MODULES

The following IOP modules are replacement components only; they are not interchangeable.

ESIOPC16

Esprit high resolution color camera and lens

module, 16X, NTSC format

ESIOPC16-X ESIOPC22 Same as ESIOPC16 except PAL format Esprit high resolution color camera and lens

module, 22X NTSC format

ESIOPC22-X

Same as ESIOPC22 except PAL format

ESIOPCBW24

Esprit high resolution day/night camera and

lens module, 24X, NTSC format

ESIOPCBW24-X ESIOPBW35 Same as ESIOPCBW24 except PAL format Esprit high resolution day/night camera and

lens module, 35X, NTSC format

ESIOPBW35-X

Same as ESIOPBW35 except PAL format

OPTIONAL ACCESSORIES

ES-REPLBLADE-2

Package of 2 window wiper replacement

blades

ES-REPLBLADE-10

Package of 10 window wiper replacement

blades

RELATED PRODUCTS

IPS-RDPE-2

Remote data port. 24 VAC, wall/pole mount video/data breakout box. Allows ground-level control/programming when used with the

IPS-RMK. (No code upload.)

IPS-RMK

PDA handheld, cables, and carrying case.

Allows viewing of camera video, local PTZ control, and system setup.

TXB Series

Translator boards for AD™ Manchester, Hemis, Bosch® (Philips, Burle), Sensormatic®, TASS, Vicon™, and NTCIP protocols.

PELCO

Pelco, Inc. Worldwide Headquarters: 3500 Pelco Way, Clovis, California 93612-5699 USA USA & Canada Tel: (800) 289-9100 • FAX: (800) 289-9150 International Tel: +1 (559) 292-1981 • FAX: +1 (559) 348-1120 www.pelco.com

RECOMMENDED MOUNTS

Esprit Series

Includes mounts for well, pedestal, corner,

parapet, and pole applications.

PM2000/PM2010

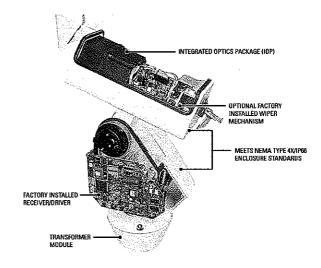
Pedestal mount with cable feedthrough. For use with Esprit systems with pedestal

adapter plate.

RECOMMENDED POWER SUPPLIES

MCS Series WCS Series Multiple 24 VAC camera power supply, indoor Single/multiple 24 VAC camera power supply,

outdoor



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Sensormatic and AD Manchester are trademarks or registered trademarks of Sensomatic Electronics Company.
Lexan is a registered trademark of the General Electric Company.
Bosch is a registered trademark of the Sony Corporation.
Vicon is a trademark of Vicon.
Product specifications and availability subject to change without notice.
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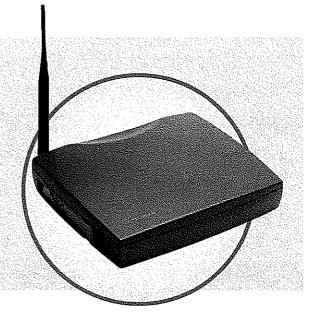
^{**}Wall mount models include Esprit EWM wall mount.





Phonecell® SX5e Fixed Cellular Terminal

Wireless connectivity for standard telephone, fax and computer equipment



Features

- GSM Dual Band 850/1900 MHz
- GPRS Packet Data
- Group 3 Analog Fax via RJ-11
- Circuit Switched Computer Fax
- Short Message Service (SMS)

Also Featuring

- Easy set up
- 7 LEDs for signal strength, power, message alert and call status
- Connects multiple devices
- Access the Internet and E-mail
- Optional PBX rack configuration

Ideal Applications

- Rapid deployment of wireless services
- · Mobile use not adequately served by handsets
- · Business and Residential
- Remote site communications

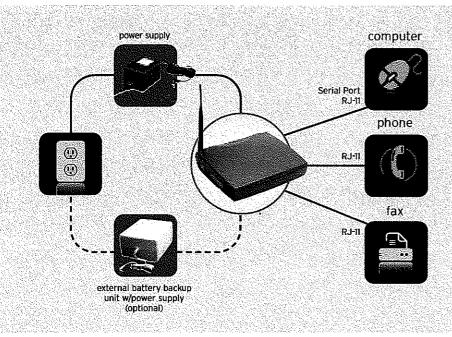


Phonecell® SX5e Fixed Cellular Terminal

Features

- GPRS packet data, multi-slot Class 10 (up to 72 kbps)*
- · Circuit switched digital computer fax and data (up to 14.4 kbps)*
- Short Message Service (SMS)*
- · Group 3 analog fax (optional)*
- Compatible with popular supplementary services including caller ID, call waiting/call hold, call forwarding, call barring, multi-party calling*
- · Single jack or dual jack for voice and fax operation
- · DTMF and pulse-dialing
- · Supports up to five phones (5 REN)
- · Emergency battery backup
- Standard GSM Mini-SIM (Subscriber Identification Module)
 3 volt and 5 volt compatible
- · Supports GSM personalization features (GSM 02.22)
- * Subject to network availability

Connectivity Options





Contact your Telular Sales Representative for details 800-229-2326, email: sales@telular.com, or visit www.telular.com

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Specifications subject to change. Drawings may vary from actual equipment supplied.

System Specifications

Air Interface Standard GSM 850/1900 TIA/EIA J-STD-007

Transmit Power GSM 850: 2 watts GSM 1900: 1 watt

Frequency Ranges GSM 850

Transmit | 824-849 MHz Receive | 869-894 MHz GSM 1900 Transmit | 1850-191<u>0 MHz</u>

Receive | 1930-1990 MHz FWT Dimensions and Weight

U.S. (Inches) 7.2 x 2.0 x 8.3 0.73 kg. (1.6 lb.)

Environment

Operating temperature range: -10°C to +50°C Storage temperature range: -40°C to + 60°C Humidity: 5% to 95%

Intelligent RJ-II Interface

Ringer equivalence number (REN) 5:0A Dynamic echo cancellation PSTN Emulation

LED Indicators

Power/Battery status Signal status Message status (SMS, voice mail) ON/OFF hook status

Connectors

RJ-11 interface jack for telephone RJ-11 interface jack for Group 3 analog fax DB-9 port for GPRS or circuit switched digital PC fax/data TNC antenna connector (50 ohms) DC power input lack

Antenna

Dipole antenna (included) GSM 850/1900: 2 dBi dual band Optional higher gain antennas available

AC-to-DC Switching Power Supply (Included) Voltage: 90 - 300 VAC Frequency: 50/60 Hz Plug options: U.S., U.K., Euro., Australia

Emergency Battery Backup

4 "AA" alkaline batteries provide up to 1 hour of air time. (Batteries not included.)

External Battery Backup (Optional)
External battery backup unit/charger
(provides up to 8 hours of air time or
14 hours of standby)

LOSETHE LINE

KEEP THE CONNECTION

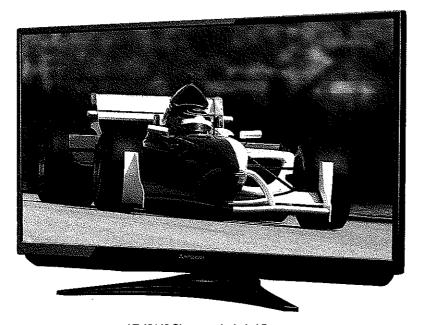
ULTRATION FRAME LCD HDTV 14.8

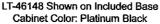
148 SERIES | 1080P LCD FLAT PANEL HDTV

Official HDTV



MODELS: LT-40148 | LT-46148 | LT-52148

















Live your entertainment, don't just watch it.

The Mitsubishi experience is brought to life through our "More Picture. Less Space" approach to design, the pursuit of quality and a commitment to innovation while never losing sight of what matters most to our customers. This is the Mitsubishi philosophy of design, evident in our 148 Series 1080p LCD Flat-Panel HDTVs.

The "Ultra-Thin Frame™ of our 148 Series LCD Flat Panel HDTVs puts the focus on our large screen. The result is an all-picture sensation that puts you in the middle of all the action, while our Smooth120Hz™ Film Motion feature gives you a "blur free" image during fast moving content while preserving the integrity of film by eliminating annoying "film judder". And with NetCommand® w/IR Learning, you can eliminate clutter from your life by controlling all of your audio and video equipment with one remote. After all, technology should simplify your life, not complicate it.

Get the Perfect Picture Every Time

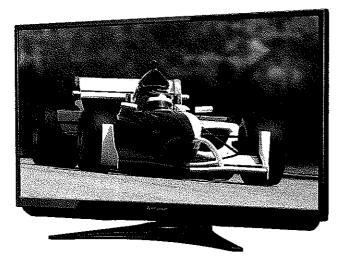
- 1080p LCD Flat Panel Display
- 10-Bit LCD Panel
- Full Spectrum Color™ Wide Color Gamut LCD
- HDMI 1.3a*
 - Deep Color (36 bit) and x.v.Color™
- 6-Color Processor
- High Contrast Picture
- . Smooth120Hz™ Film Motion
- Plush1080p[®] 12-Bit Digital Video Processing
- Tru1080p™ Processing
- · Color 4D Video Noise Reduction
- PerfectColor^a
- · Video Modes: Brilliant / Bright / Natural / Game

Watch TV Your Way

- UltraThin Frame™ Design
- Swivel Base (+/- 30°)
- · Easy Connect*
- NetCommand® w/IR Learning
- · Side USB Photo Input
- 4 Rear HDMI™ Inputs with CEC
- SimplayHD™ Certified HDMI™
- · Side Component Input
- 2 Rear Component Inputs
- Wired IR Input
- Partially Illuminated Remote

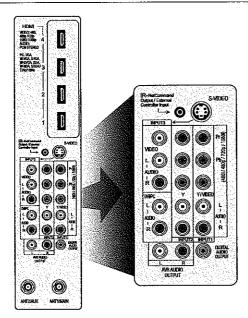


Model	LT-40148	LT-46148	LT-52148
Screen Size	40-inch	46-inch	52-inch
Aspect Ratio	16:9 (widescreen)	16:9 (widescreen)	16:9 (widescreen)
Height (Physical) w/o base	23.4"	26.4"	29.6"
Width (Physical)	36.7"	42.0"	47.7"
Depth (Physical) w/o base	4.9″	4.9"	4.9"
Height On Base	25.0"	28.0*	31.2
Depth On Base	11.2"	11,2"	14.1"
Weight with Base	48.5 lbs.	61.6 lbs.	72.7 lbs.
Power Consumption			
Operating	250 Watts	300 Watts	325 Watts
Standby	22 Watts	22 Watts	22 Watts
Low Standby	1.7 Watts	1.7 Watts	1.7 Watts



LT-46148 Shown on Included Base

Backpanel



Onkinal System	
Optical System	1080p LCD
Display Type	Yes
Full Spectrum Color*	1920 x 1080
Pixel Resolution (horizontal x vertical*) Frame Refresh Rate	120Hz
	IZUNZ
Video Performance	Plush1080p ^e
Video Format Conversion	
HDMI 1.3a	Yes Yes
Deep Color (36-Bit) and x.v.Color PerfectColor	Yes
Video Noise Reduction	Color 4D
	6
Picture Format Modes (4:3 sources) Picture Format Modes (16:9 sources)	3
Smooth120Hz™ Film Motion	Yes
User Controls	163
	Yes
Easy Connect** NetCommand®	Yes
ChannelView [™]	Yes
	Yes
AV Adjustment (memorized by input) Color Temperature Control (by input)	High/Low
Video Modes: Brilliant/Bright/Natural/Game	Yes
Full Screen Image Freeze	Yes
Swivel Base	Yes
Audio	100
Internal Loudspeakers	Stereo Full Range
Speaker Size	5 1/2" x 2 1/4"
Output Power (watts/ch.)	10W x 2
Level Sound (dynamics limiter)	Yes
Digital Output (PCM) for All Analog Sources	Yes
Tuning	100
Combined Tuner (Analog/Digital/Cable) In	
The Clear	
Antenna (RF) Inputs	2
Side Inputs	
Side Component/Composite Combined	1
Video Input	
Side USB Photo Input	March Street College
Rear Inputs	
A/V Inputs with S-Video	2
Component Video Inputs	2
(1 Component/Composite combined)	
HDMI* Inputs	4 3 7 7 7 7 7 7 7 7 7
480i, 480p, 720p, 1080i (60Hz)	Yes
1080p (24Hz, 30Hz, 60Hz)	Yes
HDMI Digital PC Compatibility	
640 x 480, 898 x 480, 800 x 600, 1064 x 600,	Yes
1024 x 768, 1280 x 720, 1365 x 768, 1280 x 1024	
@ 60Hz	
1920 x 1080 @ 24Hz, 30Hz, 60Hz	Yes
Outputs	1 (C)
Stereo Audio Output	1 (fixed)
Digital Audio Output (Dolby® Digital / PCM)	1 (coaxial)
NetCommand® IR Emitters	1
Remote Control	De Weller Here's
Remote Control	Partially Illuminated
	Yes
Customization Features	
Wired IR Input	
Direct IR Input Selection	Yes
Direct IR Format Selection	Yes
Independent IR Power ON / OFF	Yes

"TV and some PC displays have standard overscan. Features, specifications and dimensions are subject to change without notice. Physical appearance of television and matching base may vary slightly from images shown on this document. PGA TOUR and the swinging golfer logo are registered trademarks. Dobly and Dobly Digital are registered trademarks of Dobly Laboratories. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or Dobly Laboratories. HDMI Loensing, LLC, "x.v.Color" and "x.v.Color" logo are trademarks of Sony Corporation, Simplay HD and the Simplay HD logo are trademarks of Silcon Image, Inc.



 Power Consumption: 	75W
Height (inches):	13.5
 Height with Stand (inches): 	15.1
Width (inches):	19,6
Depth (inches):	3.5
 Depth with Stand (inches): 	7
Unit Weight:	10.2 lbs.

Specification Notes:

[1] To provide the most accurate specifications, the specifications listed are based upon the manufacturer's exact model specification as published on the manufacturer's website, and the manufacturer's product documentation.

Detailed Features

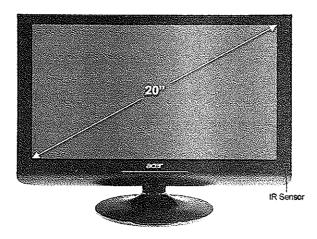
A Closer Look

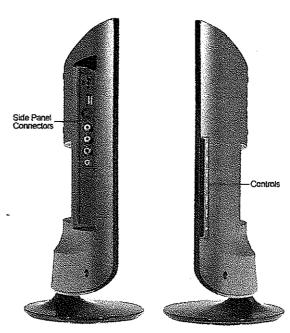


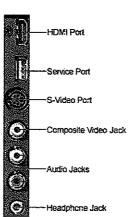


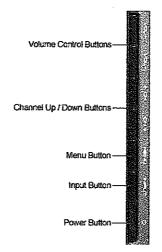




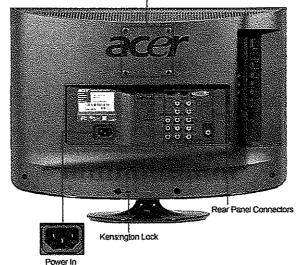


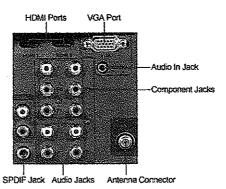


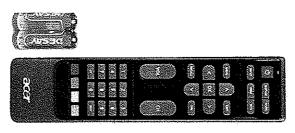


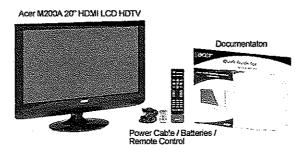


VESA Mount











Winegard RV3095 and RV7095





RV Antennas - The Popular Winegard RV3090 and RV7090 Sensar II Have Been Upgraded to RV3095/RV7095/Sensar III

RV Antennas from Winegard have been long time favorites of RVers and campers. The 75 ohm Sensar® RV-3090/RV3095 antenna has a built-in amplifier and unique circuitry that gives you clear VHF/UHF reception whenever you park. Raise, lower and rotate the Sensar®III antenna from inside your parked vehicle. It's easy to install and extends only four inches above the roof while traveling.

The antenna can be elevated to 40" above the roof line, and is bidirectional — it must be pointed toward the TV station you want to watch. It must be used while the vehicle is parked.

The switch has +12VDC receptacle, built-in two-way splitter for second TV outlet, a convenient power-on/off indicator light and cable TV input. For exterior RV TV/cable outlet, order WA or WT series weatherproof outlets. Standard elevating tubes 36", includes a 7042 power supply for the 3095.

The Winegard Sensar III 7095 includes the amplified antenna and lift, white power supply with on/off switch, 20' of 75 ohm coax cable, and a 6' TV set cord.

For additional information, go to the Winegard Website for these <u>RV antennas</u>. This will open in a new browser window. When finished viewing information, simply close the new window to return here.

TV Antennas - RV3095/RV7095 Specifications:

Height	Lowered - 4"
Height	Raised - 40"
Width	4.75"
Length including elements	45.5"
Shipping Weight	12 pounds
Amplifier Gain	VHF - 15.5 dB avg.,UHF - 19.5 dB avg.
Impedance	75 ohm
Power Required	+12VDC at 85 ma





Aurora Multimedia VTune Pro 181-Channel TV Tuner with Composite Video Out and RS-232 Remote Interface

B&H # AUVTUNEPRO Mfr # VTUNE PRO



MAGE ZOOM

🖾 urito a review

Accessories Feat	res Specifications
Signal System	NTSC
Input/Output Interfa	e TV: Coaxial (x1 Input) FM: Coaxial (x1 Input) Composite Video: RCA (x1 Output) Analog Audio L/R: RCAx2 (x1 Output)
Control Connectors	In Connector: 6-pin Mini DIN, female (6-Pin Mini DIN Male to DB-9 Female Adapter Cable Provided) Loop Through Connector: 6-pin Mini DIN, female (Addressable up to 999 Units) RS-232 Baud Rate 9600 bps
Compliant Standards	FCC Class B CE EN 55013:2000 CE EN 55024:1998 CE EN 60065
Power Requirements	12 VDC
Power Consumption	7W
Dimensions (WxHxD)	8.4 × 1 × 5.7" (21.3 × 2.5 × 14.5 cm)
Weight	2.3 lb (1 kg)



HARD DRIVE:

750GB,EV16750N(+\$75)



Features

- o 16-channel
- Support NTSC & PAL Standards
- **Embedded Linux Operating System**
- o Built-in Multiplexer
- Triplex Function Simultaneous Record / Playback / Network
 MPEG-4 Compression
- Multiple Video Outputs: Composite, Spot, VGA
- User Friendly Graphic Menu
- Built-in Backup Device: DVD-RW
- Watch Dog / Power Failure Recovery
- Watermark O
- Time Synchronization between Multiple DVRs
- ø
- 1-ch Audio with Remote Audio over Network Software Upgrade via USB Thumbdrive
- IR Remote Controller Control up to 99 DVRs
- RS-422/485 for PTZ Speed Dome and Controller Keyboard

Specifications

NTSC/ PAL **Video Format** Embedded Linux Operating System

Triplex Function Simulteneous Record/ Playback/ Network

Video Input

1 Main Monitor, 1 spot, 1 VGA **Monitor Output**

Video Compression

MPEG-4 Method

Average File size

120pps@ 360 X 240 (NTSC), 100pps@360 X 288(PAL) 60pps@720 X **Maximum Recording** 240 (NTSC), 50pps@720 X 288 (PAL) 30pps@720 X 480(NTSC),

rate & Resolution 25pps@720 X 576(PAL)

Alarm In/ Out

Audio In/ Out 4/1

PTZ Dome & Controller

Interface

RS-422/ 485



Most value driven DVR in the market.

EV-4000N/P • EV-8000N/P • EV-16000N/P Technical Specifications



Key Features

- 4, 8 and 16-channel.
- · Support NTSC & PAL Standards
- · Embedded Linux Operating System
- User Friendly Graphic Menu
- · Built-in Multiplexer
- . Triplex Function Simultaneous Record / Playback / Network
- MPEG-4 Compression
- · Multiple Video Outputs: 1 Composite, 1 Spot, 1 V6A
- . Internal HDD Bay: 1(SATA) Up to 750GB
- · Built-in Backup Device: DVD-RW
- · Watch Dog / Power Failure Recovery
- · Watermark
- · Time Synchronization between Multiple DVRs
- 1-ch Audio with Remote Audio over Network · Software Upgrade via USB Thumbdrive
- IR Remote Controller Control up to 99 DVRs
- RS-422/485 for PTZ Speed Dome
- NVCK-3X, Controller Keyboard from NUVICO (Option) -Control Multiple NUVICO DVRs and PTZ Speed Domes
- Support Various PTZ Protocols
- · Proprietary Dynamic DNS Service for Plug-n-Play Remote Connection

Network Features

- · Web Based Live Viewer
- · Dedicated Client Software (CMS Lite)
- · 2 Simultaneous Users
- . Up to 4-ch Audio with Remote Audio over Network (8-ch &16-ch)

Graphic Menu





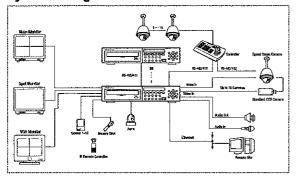








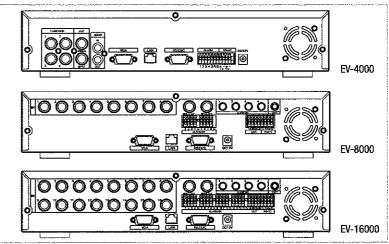
System Configuration



SPECIFICATIONS	EV-4000N/P EV-8000N/P EV-16000N/P
Video Format	NTSC / PAL
Operating System	Embedded Linux
Triplex Function	Simultaneous record / playback / network
Video Input	4 8 16
Monitor Output	1 Main monitor, 1 spot, 1 VGA
Video Compression Method	MPEG-4
Average Fife Size	2.5 ~ 8 KB
Maximum Recording Rate &	120pps @ 360 x 240(NTSC), 100pps @ 360 x 288(PAL)
Resolution	60pps @ 720 x 240(NTSC), 50pps @ 720 x 288(PAL)
	30pps @ 720 x 480(NTSC), 25pps @ 720 x 576(PAL)
Alarm in / Out	4/1 8/2 16/2
System Control	Key buttons, IR remote controller, Remote client PC, and NVCK-3X
Audio In / Out	1/1 4/1 4/1
PTZ Dome & Controller Interface	RS-422 / 485
FFATURES	EV-4000N/P EV-8000N/P EV-16000N/P
Display Settings	Brightness, contrast, color adjustments, hidden/covert per channel
Camera Title	12 Characters per channel
Recording Modes	Continuous, schedule, alarm, motion
Recording Adjustments	Frame rate and picture quality adjustment per channel
Pre-Alarm & Post Alarm Recording	Pre-Afarm: 2 sec. / Post-Afarm: 10 sec. ~ 300 sec.
Motion Detection Per Channel	16 Selectable grids / 20 Sensitivity levels
Search Modes	Time & date, camera, alarm, motion
Power Failure Recovery	Auto reboot while maintaining previous record settings
E-mail Notification	External alarm, video loss, power loss, HDD failure
System Utility	Auto key lock / disk check / fan lock detection
Password	1 Admin, 5 configurable users
Backup Device	DVD-RW
MCD-Player for Backup	Auto installation into DVD during backup
Watermark	Yes
Communication Port	RS-422/485
internal HDD Bay	1 Bay(SATA) - Up to 750GB
Network	LAN, WAN, Internet
GENERAL	EV-4000N/P EV-8000N/P EV-16000N/P
Power Input	100 ~ 240VAC(50~60Hz), Universal
Power Consumption	DC 12V, 5 Amp
Dimensions	335(W)mm x 398(D)mm x 70(H)mm
Weight	4 Kg
Operating Temperature	0°C ~ 40°C

Specifications are subject to change without any prior notice.

Rear View



CISCO Catalyst 2960 Series WS-C2960-48TT-S 10/100Mbps + 1000Mbps Ethernet Switch 48 Ethernet 10/100 ports and two 10/100/1000TX uplinks

Model

Brand

CISCO

Series

Catalyst 2960 Series

Model

WS-C2960-48TT-S

Spec

Jumbo Frames

Yes

Ports

48 Ethernet 10/100 ports and two 10/100/1000TX uplinks

Speed

10/100Mbps + 1000Mbps

SNMP

Yes

QoS

Yes

VLAN Support

Yes

Dimensions

1.73" x 17.5" x 9.3"

Weight

8.0 lbs.

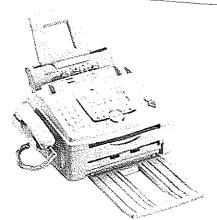
Manufacturer Warranty

Parts

Lifetime limited

Labor

Lifetime limited



Panasonic High-Speed Laser Fax/Copier Machine KXFL511

Panasonic

Item Description

Save your eyes and forget about trying to read jagged faxes and blurry copies. This laser unit produces ultra-sharp results, and quickly, too. Key Features & Benefits:

Laser technology

When you want ultra-crisp text and graphics, and don't need color, this B&W laser fax/copier is perfect

· Fax/copier unit

Tired of trying to read jagged faxes and blurry copies? Save your eyes with this compact dual unit

· Fast results

With a high speed of up to 12 ppm (pages per minute) you won't have to wait long for yo copies

Technical Information Print Technology

Laser

Scanner

Scanner Type

Not Applicable

Scan Speed

Not Applicable

Scan Resolution

Not Applicable

Copier

Copier Type

Monochrome

Original Type:

Sheets

Max Copy Size:

A4 (8.25 in x 11.7 in)

Supported Media Type:

Plain paper

Standard Media Capacity:

220 sheets

Document & Media Handling Details:

Input tray - 220 sheets - A4 (8.25 in x 11.7 in) | ADF - 20 sheets - A4 (8.25 in x 1)

in)

Speed Details:

Printing: up to 12 ppm | Copying: up to 10 ppm

Document Feeder Capacity:

20 sheets

Fax Machine

Compatibility:

G3

Max Transmission Speed:

14.4 Kbps

Fax Resolutions:

203 x 98 dpi, 203 x 196 dpi, 203 x 392 dpi

Total Memory Capacity:

Up to 290 pages

Data Compression System:

MH, MR, MMR

Data Compression System:

Up to 170 pages

Reception Memory Capacity:

Fax Machine Features

122 station(s)

Delayed Transmission:

Speed Dialing:

Yes

One Touch Dialing:

22 station(s)

Broadcast Transmission:

20 stations

Additional Specifications

Phone Type:

Fax Machines

More Information

Model No.:

KXFL511

Shipping Weight (in pounds):

22.5

Product in Inches (L x W x H):

18.0 x 20.0 x 14.0

Assembled in Country of Origin:

USA and/or Imported

Origin of Components:

USA and/or Imported



SMART Board[™] for Flat-Panel Displays

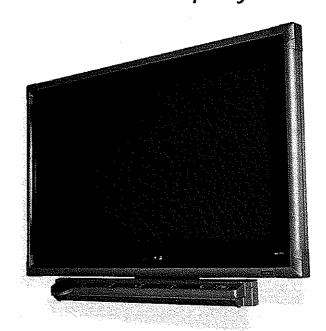
Interactive Overlay

Touch the screen to control your computer

Write in electronic ink

Save your work in various formats

Attach easily to your flat-panel display



The perfect touch

he SMART Board for Flat-Panel Displays interactive overlay gives you touch control of your display. With it fastened securely to your display, you simply touch the overlay to control computer applications, give presentations and navigate Web sites – your finger becomes the mouse. To highlight information, just pick up a pen. You can write over any application or Web site and capture, save, edit and e-mail all your work.

You work with the same high-quality image you expect from your display. The overlay is powered by an innovative touch system that requires no layered screen. A touchfriendly surface protects your panel while retaining superior clarity.

The overlay makes the most of your display, turning it into a powerful tool for presenting and collaborating.





Supported Flat-Panel Displays

Available for a wide range of plasma and liquid crystal display panels. For an up-to-date list, visit

www.smarttech.com/overlay/panels



Columbia Weather Systems, Inc.

2240 NE Griffin Oaks Street, Suite 100 Hilisboro, Oregon 97124

Phone: (503) 629-0887

Fax: (503) 629-0898

www.columbiaweather.com

Part Number Qty

1

9912-D-1

Description

Magellan LX Vehicle Mount Weather Station with WeatherMaster Software and Desktop Display Console

Magellan Weather Station

Standard System Includes:

All-In-One Sensor Transmitter housed in a Self-Aspirating Radiation Shield

50-ft sensor cable

Interface Module with two RS-232 commnunication ports

Power Supply

Comprehensive user manual

Sensors include:

Temperature Sensor

Relative Humidity Sensor

Digital Barometer

Ultrasonic Wind Direction & Speed Sensor with mounting adapter

Electonics flux-gate Compass

Weather MicroServer, Linux OS, 200MHz ARM Processor, 512 MB Flash Memory

32 MB Datalogger

FTP output to Internet

XML Server

Ethernet Network Connection

SNMP Interface

Modbus TCP/IP Communications

Dual RS-232 ports

7 ft Ethernet Cable and Power Supply

User Manual

Vehicle-Mount Mast, 8-ft telescoping, detachable, anodized aluminum Mounting brackets, vehicle side for telescoping mast

Vehicle Mount Connector Plate with Wiring Harness Assembly, 15foot external and 50 foot internal sensor cables, Weatherproof Cap Cover

WeatherMasterSoftware:



Model Profile 2011 7400 SBA 4x2 SL (SA035)

APPLICATION:

Fire/Pumper (Emergency)

MISSION:

Requested GVWR: 33000, Calc. GVWR: 37000

Calc. Start / Grade Ability: 33.20% / 3.10% @ 55 MPH

Calc. Geared Speed: 78.5 MPH

FUEL ECONOMY:

DIMENSION:

Wheelbase: 215.00, CA: 147.90, Axle to Frame: 59.00

ENGINE, DIESEL:

(MaxxForce 9) EPA 10, 330 HP @ 2000 RPM, 950 lb-ft Torque @ 1200 RPM, 2200 RPM

Governed Speed

TRANSMISSION, AUTOMATIC:

{Allison 3000EVS_P} 4th Generation Controls; Close Ratio, 6-Speed; With Double Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder, With 80,000-lb GVW & GCW

Max.

N/A

CLUTCH:

Omit Item (Clutch & Control)

AXLE, FRONT NON-DRIVING:

AXLE, REAR, SINGLE:

{Dana Spicer E-1462W} Wide Track, I-Beam Type, 14,000-lb Capacity

(Dana Spicer S26-190) Single Reduction, 26,000-lb Capacity, R Wheel Ends Gear Ratio: 5.38

CAB:

Conventional

TIRE, FRONT:

(2) 12R22.5 G287 MSA DURASEAL (GOODYEAR) 482 rev/mile, load range H, 16 ply

TIRE, REAR:

(4) 12R22.5 G282 MSD (GOODYEAR) 481 rev/mile, load range H, 16 pty SUSPENSION, RR, SPRING, SINGLE: Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312";

FRAME REINFORCEMENT:

(274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

PAINT:

Cab schematic 100GA

Location 1: 2303, Red (Std)

Chassis schematic N/A

Description

Base Chassis, Model 7400 SBA 4x2 SL with 215.00 Wheelbase, 147.90 CA, and 59.00 Axle to Frame.

TOW HOOK, FRONT (2) Frame Mounted

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 420.0" (10668mm) Maximum OAL

FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312"; (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL

BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness

WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

AXLE, FRONT NON-DRIVING (Dana Spicer E-1462W) Wide Track, I-Beam Type, 14,000-ib Capacity

SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank

AIR BRAKE ABS (Bendix AntiLock Brake System) Full Vehicle Wheel Control System (4-Channel)

AIR DRYER (Bendix AD-9) With Heater

BRAKE CHAMBERS, FRONT AXLE (Haldex) 20 Sqin

BRAKE CHAMBERS, REAR AXLE (Haldex GC3030LHDHO) 30/30 Spring Brake

BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers

BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake

AIR COMPRESSOR (Bendix Tu-Flo 550) 13.2 CFM Capacity

STEERING COLUMN Tilting

STEERING WHEEL 2-Spoke, 18" Diam., Black

STEERING GEAR (Sheppard HD94) Power

EXHAUST SYSTEM Single, Vertical Aftertreatment Device Frame Mounted Right Side; Includes Vertical Tail Pipe & Guard

ENGINE COMPRESSION BRAKE for MaxxForce I6 Engines; Electronically Activated

MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

IGNITION SWITCH Keyless

ALTERNATOR {Leece-Neville 14923PAH} Brush Type; 12 Volt 220 Amp. Capacity, Pad Mounted, Includes 1-Gauge Protected Charging Circuit

BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

BATTERY SYSTEM {International} Maintenance-Free, (3) 12-Volt 1950CCA Total

STARTING MOTOR {Delco Remy 39MT} 12 Volt; Gear Reduced, With Thermal Over-Crank Protection

INDICATOR, LOW COOLANT LEVEL With Audible Alarm

HEADLIGHTS Halogen; Composite Aero Design for Two Light System

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses GRILLE Chrome

Description

FRONT END Tilting, Fiberglass, With Three Piece Construction

GRILLE EMBER SCREEN Mounted to Grille to Keep Hot Embers out of Engine Air Intake System

PAINT SCHEMATIC, PT-1 Single Color, Design 100

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

KEYS - ALL ALIKE, ID Z-001

CLUTCH Omit Item (Clutch & Control)

OIL FILTER, ENGINE (Hudgins Model 960 Spinner)

ENGINE, DIESEL (MaxxForce 9) EPA 10, 330 HP @ 2000 RPM, 950 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed

FAN DRIVE (Horton Drivernaster) Direct Drive Type, Two Speed With Residual Torque Device for Disengaged Fan Speed

RADIATOR Aluminum; 2-Row, Cross Flow, Over Under System, 1045 Sqin Louvered, With 373 Sqin CAC, With 369 Sqin LTR, With In Tank Transmission Oil Cooler

FEDERAL EMISSIONS for 2010; MaxxForce 9 & 10 Engines

AIR CLEANER With Service Protection Element

THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel

ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxForce post 2007 Emissions Electronic Engines

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations

TRANSMISSION, AUTOMATIC (Allison 3000EVS_P) 4th Generation Controls; Close Ratio, 6-Speed; With Double Overdrive, Includes Oil Level Sensor, With Provision for PTO, Less Retarder, With 80,000-lb GVW & GCW Max.

TRANSMISSION SHIFT CONTROL (Allison) T-Bar Type; for Allison 3000 & 4000 Transmission

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS); Fire/Pumper, Tank, Aerial/Ladder

SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary

AXLE, REAR, SINGLE (Dana Spicer S26-190) Single Reduction, 26,000-lb Capacity, R Wheel Ends . Gear Ratio: 5.38

SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 31,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring

FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Tank Depth, With Quick Connect Outlet, Mounted Left Side, Under Cab

CAB Conventional

GAUGE CLUSTER English With English Electronic Speedometer

SEATBELT WARNING PREWIRE Includes Seat Belt Switches and Seat Sensors for all Belted Positions in the Cab and a Harness Routed to the Center of the Dash for the Aftermarket Installation of the Data Recorder and Seatbelt Indicator Systems, for 1 to 3 Seat Belts

GAUGE, OIL TEMP, ALLISON TRAN

AMMETER 150 Amp.

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust

SEAT, TWO-MAN PASSENGER (Gra-Mag) Fixed Back, Two Integral Headrest, Vinyl, Less Under Seat Storage Compartment

INTERNATIONAL®

Vehicle Specifications 2011 7400 SBA 4x2 SL (SA035)

September 07, 2010

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Description

MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatic Controlled, Clearance Lights LED, Bright Heads and Brackets

CAB MOUNTING HEIGHT EFFECTS Mid Cab in Lieu of Low Cab Mounting Height (Approx. 4") for Increased Cooling System Requirements

SEAT BELT All Red: 1 to 3

AIR CONDITIONER (Blend-Air) With Integral Heater & Defroster

INSTRUMENT PANEL Center Section, Flat Panel

STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door

CAB INTERIOR TRIM Deluxe

CAB REAR SUSPENSION Air Bag Type

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color; Includes Integral Clearance/Marker Lights

ACCESS, CAB Driver and Passenger Sides, With Two Steps Each Side for Use With LSM Under Cab Fuel Tank and Right Side Frame Mounted Under Cab Exhaust, for Conventional Cab (moves battery box to back of cab)

WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285,75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs

- (2) TIRE, FRONT 12R22.5 G287 MSA DURASEAL (GOODYEAR) 482 rev/mile, load range H, 16 ply
- (4) TIRE, REAR 12R22.5 G282 MSD (GOODYEAR) 481 rev/mile, load range H, 16 ply

RELIABLE. DEDICATED, HARDWORKING.

JUST WHAT YOU NEED

IN A PUBLIC SERVANT.

International is the unquestioned leader in the government truck market, delivering the most expertise, superior vehicles and the best parts and service. We offer a full range of models that are engineered and purpose-built for government applications like road maintenance, utility services and waste collection. International® trucks are ready to serve in ways that maximize uptime and lower your cost of operation for years to come.

With unsurpassed durability and reliability, bold appearance, advanced electronics and industry-leading International® engines, these trucks win votes from owners, drivers and maintainers alike. Crew cab, extended cab, and factory-installed all-wheel-drive configurations are available, as well as integrated dump and roll-off truck bodies. Plus, your local International® dealer delivers world-class service, complete warranty support and more.



TRUCKS THAT PERFORM. NOW THAT'S GOOD GOVERNMENT.

Proven leadership.

- With nearly a century of truck-building experience, International brings increased performance, low ownership costs and maximum uptime to government applications. No wonder governments buy more International® trucks than any other.
- International offers a full lineup of trucks designed for the kind of work governments perform. We're the experts when it comes to spec'ing, building, servicing and supporting government trucks.

Serving the owner.

- Legendary International[®] diesel engines deliver superior reliability and durability and more horsepower and torque. 10- to 15-liter engines from Caterpillar and Cummins are also available.
- To keep your operating budgets low, International trucks offer value features that help reduce cost of ownership and increase resale value or auction potential.
- Three-step E-Coat prime/base coat/urethane clear coat paint process for the cab and hood offers resistance to corrosion and fading.
- Powder-coated components help resist chips, scratches and corrosion due to road salt, chemicals and debris.

- A lighter, more durable single-rail frame system offers the strength of many partially reinforced frames for bigger payloads.
- Hood hatches, fixed grille, front frame extensions and other options are available to meet the specific needs of your application.
- For applications that require additional seating for crew or other passengers, the optional four-door crew cab or extended cab comfortably accommodates up to six people.

Outstanding work conditions.



- The spacious, ergonomically designed cab offers more headroom, leg room and belly room, high-back seats, easy-to-read gauges and easy-to-use controls.
- The large curved windshield and sloped hood provide a commanding view of the road.

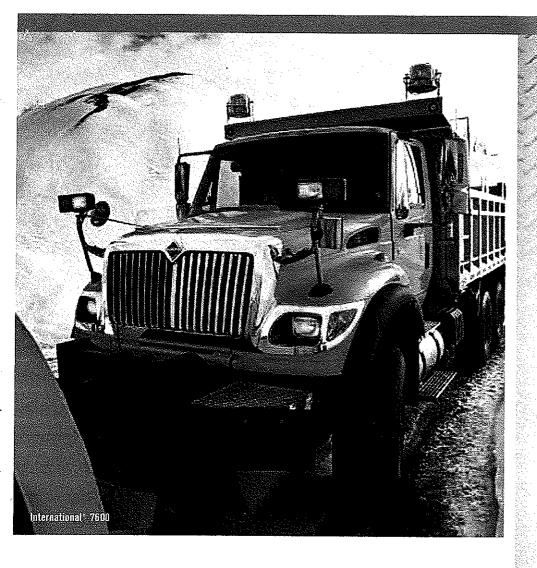
- Driver needs come first with world-class fit and finish and superior ride and handling.
- Entry/egress are easy with standard interior grab handles, wide door opening and wellplaced steps.
- The best-in-class HVAC system increases airconditioning, heating and defrosting flow for maximum driver and passenger comfort.
- Up to a 50° wheel cut provides outstanding maneuverability.

Delighting the maintainer.

- Even with front-mounted equipment, uptime is increased with the easy-opening hood, available hood hatches, easy access to major components and quick daily fluid checks.
- All daily service checks can be performed from ground level on the driver's side. Clear reservoirs make it easy to inspect fluid levels.
- Multipiece hood allows for independent fender replacement, reducing labor and parts costs.
- Two-way breakaway mirror design can withstand an impact up to 9 mph, which eliminates door and mirror damage, and reduces repair and replacement costs.
- The International® Diamond Logic™
 electrical system uses multiplexing technology
 to reduce wires and connections, improve
 switch life, simplify diagnostics and allow
 easy integration of chassis, body and other
 truck equipment. Self-troubleshooting feature
 reduces electrical repair times, so trucks get
 back on the job quicker.







THE INTERNATIONAL® 7000 SERIES.

International® 7000 Series trucks are built from the ground up to tackle the toughest jobs ~ optimized for on/off-highway severe service work to bring high performance to your community. With the cooling system and exhaust packages mounted above the frame rail, front PTO, a superior frame system, set-back or set-forward front axles, special chassis-packing options and more, these trucks offer all the components you need for a variety of government applications.

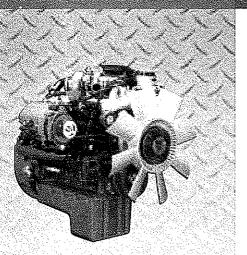
Every model in the Series is a model of efficiency – delivering maximum uptime, low cost of operation, unmatched reliability and durability, easy serviceability and increased driver satisfaction and productivity. Choosing International is a government policy everyone can support.

International* 5000i Series heavy-duty severe service trucks are purpose-built to handle extra-heavy-duty applications. Features include a standard 12.25" (31 cm) frame system with an outstanding strength-to-weight ratio and engine ratings up to 565 hp (421 kW).

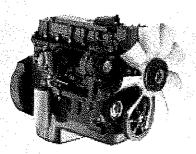
International 7000 Series Specifications

- Axle configurations: 4x2, 4x4, 6x4; 6x6 ... (all-wheel-drive configurations available with International® 7300, 7400, 7500 only)
- 107" (272 cm) BBC
- 32" (81 cm) set-forward axle and 40" (102 cm) set-back axle options
- 25,999- to 66,000-lb (11,793-29,937 kg) GVW ratings
- International® engines with 195-340 hp (145-254 kW) ratings on International 7300, 7400 and 7500
- Caterpillar and Cummins engines with 285-430 hp (213-321 kW) ratings on International® 7600
- Front axle capacity: 10,000- to 20,000-lb (4,536-9,072 kg)
- Rear axle capacity: 17,000- to 46,000-lb (7,711-20,865 kg)
- Crew cab/extended cab options
- Standard air-ride cab
- Optional 24" (61 cm) ground clearance package is ideal for mounting of underbelly scrapers
- Optional combination diesel fuel/hydraulic oil tanks
- International® Diamond Logic™ electrical system

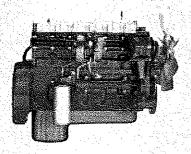




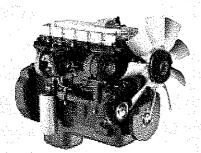
International* VT 365



International* DT 466



International® DT 530



International® HT 530

Superior powertrain performance.

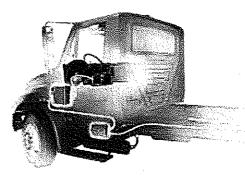
- International® engines bring optimum performance, increased reliability and durability, simplified maintenance and low cost of ownership to your government application.
- The wet-sleeve design of International*

 DT 466, DT 466 high torque, DT 530 and

 HT 530 engines results in longer life to
 engine overhaul. Even when overhaul is
 required, your engine is returned to original
 factory specifications without removing
 the engine from the chassis.
- Standard with the International® 4200, the International® VT 365 delivers enhanced driveability, improved fuel efficiency, outstanding reliability, easy serviceability and reduced emissions.
- International® emissions technology allows International engines built after 1998 to be retrofitted with equipment that reduces particulate emissions up to 80% with the use of ultra-low-sulfur fuel.

Engine	Rated hp	Peak Torque (lb-ft)
International® VT 365	175-230	460-620
International® DT 466	195-230	520-620
International® DT 466 high torque	215-250	620-800
International® OT 530	275-330 *	800-950
International® HT 530	280-340	950-1200

^{*338-}horsepower rating for emergency vehicles only



Advanced electronics keep your vehicle hard at work.

- The International® Diamond Logic™
 electrical system allows engine, transmission,
 instrument panel and other vehicle
 components to communicate with each other
 electronically continuously monitoring critical
 vehicle functions and relaying information to
 the driver to ensure efficient vehicle operation.
- With advanced self-diagnostics, drivers and technicians can accurately pinpoint electrical problems for quicker troubleshooting, faster repairs and increased uptime.
- The International Diamond Logic electrical system is fully programmable for automation of tasks and customized vehicle performance.
- A 40% reduction in wiring results in greater reliability and faster and easier troubleshooting and repair.
- Low-current components extend life expectancy and reduce repair costs.
- Factory-installed switch packs and a remote power module mounted under the cab allow body and equipment manufacturers to fully integrate their products with the International Diamond Logic electrical system, eliminating the need to mount aftermarket switching or wiring in the cab.

A GOVERNMENT-SURPLUS OF SUPPORT

Let us be your spec specialist.

Writing truck specs can be a daunting task. International is here to help. We're your total spec'ing resource, with up-to-date reference materials, including body-builder books, comprehensive spec'ing guidelines, sample specs, online product walkarounds and more. We'll walk you through key areas of chassis spec'ing, from axles, engine and transmission to choosing the components that make the most sense for your operation. Visit our comprehensive site for government truck chassis buyers:

www.InternationalDelivers.com/government

Looking to improve your maintenance shop's efficiency?

International offers a variety of programs and services designed to help keep your fleet on the road.

- International® Diamond Connection™ comprehensive parts inventory management tracking system is designed to improve your shop's overall efficiency, save time and money, and maximize vehicle uptime. The system uses bar code scanning technology to keep track of your daily parts inventory. When your stock gets low, International is notified and delivers the necessary parts to replenish your inventory.
- For fleets, the Fleet ISIS® program is a powerful Web-based tool that collects all service information, manuals and warranty history on your trucks by vehicle identification number.



International® Custom Parts Catalog is a CD made specifically for your vehicles with all the parts information and diagrams your technicians need.

On a tight budget?

The International[®] municipal lease program can help you expand the limits of your budget. Learn how many municipalities and state governments have been able to buy more trucks with less budget. Benefits of the program include:

- Flexible structuring of payments to meet your budget.
- 100% of the equipment can be financed, so there's no down payment.
- you own the equipment at the end of the lease term.

For more information on how International® trucks bring performance and value to government applications, see your International® dealer or visit our web site at www.InternationalDelivers.com.

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2 .	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4./	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
require agains or dedu	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty is such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency acted from any unpaid balance on the contract or purchase order.
authori the req deeme	mission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and zes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid uired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information d by the Tax Commissioner to be confidential.
and ac	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate es during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder	: CART, INC. Signed: Bruce VIII They
Date:_	13 SEPTEMBER 2010 Title: CEO, CHAIR
*Check	any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

WITNESS THE FOLLOWING SIGNATURE

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

