SHIP TO:

MATHER VA B86032

V.A. Medical Center

WAREHOUSE - BLDG. 652

10535 HOSPITAL WAY

MATHER, CA 95655

ID	Product	Qty
1	**Mobile Dart Evolution MX8c** **with a Single Panel CXDI-710C Wireless** The Mobile Dart Evolution MX8 is a general purpose mobile X-Ray imaging system, which can freely move throughout a hospital or clinic with superb drivability to directly acquire X-ray images of various areas of the body.	1
2	MobileDaRt Evo MX8 (T-CW-USA) **Includes the following features:** • Superb forward visibility with the ultra-smooth collapsible column which collapses to only 50" in height during travel • Intuitive maneuverability with responsive Power Assisted Optimized controls when pressure is applied to the drive handle • Ultra-quiet drive motors that can reach speeds up to 5km/hour forward-backward, zero turn radius and up to a maximum driving slope of 7 degrees • Optimized footprint of only 22" in width and 50.6" in length and 440 kg (970lbs.) in weight • Wide range of X-ray coverage with the focal point height to floor distance from 26.8" to 79.7", column rotation range of +/-270 degrees, tube rotation front and back of +90/-30 degrees and tube angulation of +/-180 degrees • Telescopic arm minimizes the overall unit size to allow access to even the smallest patients with a maximum horizontal reach of over 47" from focal point to base of column • Seven electromagnetic "all lock" release buttons/lever conveniently located in reachable distance for easy one-step positioning of the arm and column at the same time • Inch Mover buttons pioneered by Shimadzu are located on the collimator which moves the unit forward and backward without the technologist moving around the patient bed • Enhanced control dials and the LED buttons located on both side of the collimator providing convenience for adjusting the irradiation field • Battery charging cord is easily accessible just below the drive handle • Prep and Exposure status indicators are located on the telescopic arm and the hand switch to allow for accuracy in exposure timing • Large integrated 19" LCD monitor enhancing visibility and touch panel operability which can be cleaned easily with fully embedded design	1

- Convenient slot location which supports the placement of hygienic bags over the Flat Panel Detector (FPD), minimizing the risk of dropping the FPD
- FPD lock function for a simple one-step method to secure the detector
- High frequency inverter generator with a maximum rating of 32kW
- 40-133 kV tube voltage in 1kV increments
- 0.3 -320 mAs at 12.5% steps
- 400 mA maximum tube current under 20 msec
- 442 Anatomical programs
- Minimum exposure time is 1 msec
- 300 kHU tube capacity
- 0.7/1.3mm dual focal spot
- LED Collimator light
- Power input is single phase (100,110,120 VAC)
- Keyed brake release button releasing system drive locks in the event of complete battery discharge
- Calculated Dose Area Product (DAP) standard
  - Display dose before and after exposure
  - Dose calculation based on technique and collimator aperture

3		1

CXDI-710C Wireless Digital Radiography Detector 2.4/5GHz
- 14" x 17" cassette size, full imaging field, no edge un-sharpness/drop off
- Amorphous Silicon Sensor (a-SI)
- CsI (Cesium Iodide) scintillator
- 125 x 125 micron pixel pitch
- 2800 x 3408 pixels
- 12 bit / 4096 gray scale (16 bits A/D)
- ISO 4090 compliant cassette size detector
- Sensor size (W x L x T): 15.1" x 18.1" x 0.6"
- Sensor weight: 5.07 lb
- Water Proof: IPX7
- Preview image Approx. 1-3 seconds
- Full Image display time Approx. 5 seconds
- Cycle time Approx. 7 seconds
- FDA 510(k), FCC Class A, UL 2801-1, EN60601, CE0197
- Battery performance: 108 images (@100 sec. cycle, 1 sec. sleep)
- Standard Components: Sensor unit, 1 battery
- Grid line suppression for 34, 40, 52, & 60 lpc grids
- Wiring battery charge mode
- Multi-Box System Integration
- Shock recording

4		1

1-Additional BATTERY PACK LB-4A (710/810)

5	1-Wireless series Battery Charger
	   • 3 hour recharge time
	   • Charges two packs simultaneously
		1

6	NE Software (Tangible) V2.16	1
7	Multi-Box MB-4A (for 710/810)	1
8	1-Wireless LAN mounting kit	1

9	1-Key-less Entry
	Keyless power ON
	
	   • Keyless power ON for user's access to drive and make exposures without need of a key
	   • Keypad on console of mobile for easy access
	   • No more looking for keys!
		1

10	1-Illumination Hand Switch
	   • Illumination Hand Switch LED light in hand exposure switch
	   • Gives visual indication of Exposure status
	   • Flashes when X-ray tube rotor is accelerating to exposure speed.
	   • Solid Green when Generator is ready
	   • Quick tap turns ON collimator Lamp
		1

11	WLAN Access Point
	   • Integrated AP has a default setup of WPA2 PSK and AES-CCMP encryption
	   • Closed network with the wireless detector
	   • Hidden SSID
	   • Separate from the facility network
	   • IEEE 802.11n, 2.4 GHz or 5.0 GHz
	   • No patient data is transferred with this connection
	   • Transfer of raw image data in proprietary format
		1

	• Internal communication such as ready status, battery level, and signal strength of the detector	
12	1-CXDI-GCOM software v2.30 • Bi-Directional digital communication between CXDI acquisition system and Generator • Single selection of APR on CXDI touch screen will set generator technique • Post exposure data returned to CXDI for display and placed in DICOM header • Actual kV and mAs is returned • Dose data if optional DAP or Calculated dose is installed. • Improve workflow by reducing number of settings	1
13	1-System Integration and Pre-stage • System Pre-stage by certified installer at Torrance Facility • Consistent and reliable	1
14	PKEY **PKEY** is the local software licensing utility for RedShift software installations	1
15	Grid Cap 701/710C ; 130 cm, 6:1, 52lpc, AL spacer, Vertical Lines **CXDI-701C/710C Grid Cap Heavy Duty** • Durable shock resistant Grid Cap protects the CXDI-701C/710C • Single Handle provides grip to aid in placing panel under patient. • Grid 6:1, 52 lpc, 130 cm focus • Grid Aluminum interspace CF Covers	1
16	Net Switch **Net Switch** • Launch RIS or PACS management Utility from Touch Screen • Access to web based servers; up to 3 server access • Allows mobile users to close exams after the images are sent • Enhanced Keyboard for data entry • Users log into server with their account for traceability • Common text phrase can be quickly inserted as needed • Wire or wireless access	1

17	Additional Front Hand Switch **Additional Front exposure hand switch** • Mounts on column side of chassis • Improve workflow by giving flexibility to operator	1
18	**S** SWAPP 710C MobileDaRt MX series 1 Year This protection program covers damage resulting from accidents occurring during the normal and intended use of the equipment including accidental drops, bumps, or liquid invasion. If the Panel fails due to accidental damage from handling, it will be repaired or replaced as needed based on the discretion of Panel provider who diagnoses the Panel condition with a fixed maximum co-pay. Coverage does not include physical damage due to Customer's misuse or abuse. For details, please refer to Shimadzu Warranty Panel Protection Program agreement Terms and Conditions document	1

Options

Product
Mobile Zoo Decal • Mobile Zoo Decal consist of soft animals to help calm pediatric patients
DR Panel Holder 14x17 • Durable shock resistant holder protects the detector • Single Handle provides grip to aid in placing panel under patient.
Wireless hand switch (MX8) Wireless hand switch controls exposure and also functions as a status indicator
Wireless barcode reader (MX8) Wireless barcode reader makes is possible to search patient ID from the patient list or accession number. • 2D CMOS imager rapidly scans and decodes 1D and 2D barcodes • Simple one-touch scanning • USB rechargeable, high capacity Lithium-Ion battery
DAP Mounting Kit (UL) Measure collimated X-ray Dose out of Collimator Dose is displayed on Generator Console After Exposure Units of Measure mGy-cm With integrated Digital Dose is placed in DICOM Header DICOM Tag (0018,115E) dGy*cm2 Securely support DAP chamber Measured DAP will replace the Standard Calculated DAP
VacuDAP Measuring System

	- Measures the dose for the radiological exposure. - The transparent ionization measuring chamber is mounted at the outlet of the collimator. - Measured Dose readout mounted on console adjacent to technique parameters. - Measurement Units Displayed in mGy-cm2 - DICOM Tag (0018,115E) Requires DAP Mounting Kit