

VL/IR/2.000

INFINIX-I FOR INTERVENTIONAL RADIOLOGY

Optimized for Interventional Radiologists, Infinix-i has the tools, the technology and the system to help clinicians reduce risk and save time in a complex and demanding clinical environment. Combining industry-leading image quality and dose management capabilities with exclusive ergonomic features and an array of advanced imaging applications, Infinix-i can enhance performance for every patient and every procedure.

Designed in collaboration with radiologists, Infinix-i improves the way we work without changing the way we work. With exclusive technology like WorkRite, it allows the performance of lengthy procedures more comfortably and effectively.

The Infinix-i is strategically designed to help you grow with your practice. Image the most complex coronary or peripheral artery diseases while enabling structural heart interventions. The unique mechanical design is perfectly suited to enable flexible position for faster, safer exams while creating an integrated cath lab environment.

WorkRite Technology:

The unique flexibility and design of the C-arm, combined with low-profile FPD housing, offers better ergonomic orientation enabling "line of sight" over the system and patient to view the display monitors. The Infinix-i product line has an extensive lateral C-arm movement, at the head end of the table, affords an exceptional advantage when accessing the upper extremities, such as in a radial or brachial procedure. The flexible mechanical design provides extensive longitudinal travel to allow full body coverage from the patients head to the toes without panning the table.

Customizable features and award-winning training help you to accelerate and increase utilization of Infinix-i system innovations to enhance efficiency and help you improve patient care.

COMPONENT SUMMARY:

<u>PART NUMBER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
VA-ELT/CM16-850/1216.100	1	SYSTEM KIT: INFINIX-I SKY (CEILING MOUNT) 12"X16" FPD SYSTEM WITH CAT-850B TABLE
	1	MAIN UNIT: INFINIX-I SKY (CEILING MOUNT) 12"X16" FPD SYSTEM WITH CAT-850B TABLE
		<u>STANDARD SYSTEM COMPONENTS</u>
		<ul style="list-style-type: none">• CAS-830B/ A1 Multi-Axis C-arm, Ceiling Mounted• BLA-900A Automatic Rotating Collimator• DSRX-T7345GFS X-ray Tube• TFP-1216A/ A1 12" x 16" Flat Panel Detector• XGCP-880BA Tableside Control HyperHandle• CAT-850B Catheterization Table• XBFS-880S Multi-Function Footswitch• XTP-8100XG High-Frequency X-ray Generator 100 kW• DFP-8000B/ B2 Multitasking Digital Fluoroscopy Processor• XIDF-MIC802 Intercom Kit• XIDF-MCC80S Main Console• XIDF-FS801S Control Room Footswitch• XJDK-001A/ V5 Dose Meter Controller• XJDC-016A LFOV Dose Chamber

MULTI-AXIS C-ARM, CEILING MOUNTED - CAS-830B/A1

The flexible ceiling suspended c-arm provides all clinical angles for diagnostic and interventional procedures. The superb access to the patient allows the operator to approach and work in the desired relationship to the patient (without moving the table), enabling catheterization techniques to be freely executed.

Specifications:

- Variable rotation speeds up to 30 degrees per second for fast C-arm angulation
- Stroke of flat panel detector movement (SID): 350 mm, motor-driven
- Isocenter height: 1050 mm
- ±135 degree column rotation

Positioning Features to Enhance Workflow

The ceiling-suspended multi-axis C-arm is designed to enhance workflow. Features include:

C-Arm Movement

- Flexible positioner that, combined with low-profile housing of the X-ray tube and FPD, optimizes imaging angles
- Enables variable-speed axial rotations and isocentric fluoroscopy and fluorography with rotations from:
 - RAO 180 degrees to LAO 120 degrees
 - CRAN 90 degrees to CAUD 50 degrees (head-end position)

Auto-Positioning/Auto-Set Functions

- Specify auto-positioning settings sequentially for each study protocol.
- Quickly initiate C-arm positioning and system settings for the desired imaging requirements.
- Record and reproduce over 64 programs of:
 - Angulations and SID
 - Initial Field of View (FOV)
 - Table heights
 - Compensation-filter positions

Auto-Angle

For acquired images, auto-angle stores the following for one-touch recall (can be customized to site):

- C-arm angle
- SID
- Compensation filter position
- Table height
- Magnification size

Control Switch Assembly - HyperHandle

All system movements are operated from the control switch assembly mounted at the side of the catheterization table. This enables quick positioning with high accuracy.

AUTOMATIC ROTATING COLLIMATOR - BLA-900A

- Four-filter, rotating collimator using industry-standard filtration materials, including
- Multiple beam-dose adjustment filters
 - Aluminum 1.8 mm
 - Copper 0.2 mm
 - Copper 0.3 mm
 - Copper 0.5 mm
- Automatic or manual rotating collimator keeps a heads-up alignment
- +/- 135 degree rotation permits optimized collimation for off-angled imaging
- Compensation filters: Fe 1.2 mm
- Control remotely or manually

HIGH-CAPACITY X-RAY TUBE WITH LIQUID METAL BEARING - DSRX-T7345GFS

- Includes a standard 36 month non-prorated tube warranty for all new systems
- Quiet, long-lasting and efficient, this tube ensures high throughput and fail-safe cardiac imaging
- Triple-focus design provides small-focal-spot redundancy
- Highly efficient, pulsed fluoroscopy with built-in beam-hardening aluminum and copper filters reduce dose
- Continuous, high-speed (9000 rpm), anode rotation provides immediate display of fluoroscopic and fluorographic images

Other features include:

- Grid switched
- Maximum kV: 125 kV
- Focal spot: 0.3/0.6/1.0 mm
- Maximum ratings: 17/48/100 kW
- Target angle: 11 degrees
- Maximum anode heat storage: 3000 kHU
- Maximum housing heat storage: 2890 kHU
- Maximum cooling rate anode: 462 kHU/min
- Maximum cooling rate housing: 296 kHU/min
- Heat exchanger: water cooled
- Anode rotation: 9000 rpm

12" x 16" FLAT PANEL DETECTOR - TFP-1216A

State of the art flat panel detector technology enhances low dose imaging, offers exceptional image quality, and features Digital Subtracted Angiography (DSA) standard with superior contrast and dynamic resolution.

Specifications:

- Multiple Fields of View
 - 12"x16"
 - 12" x 12"
 - 8" x 8"
 - 6" x 6"
- 2048x1536 detector matrix
- Frame rates up to 30 fps
- 194 micron pixel size
- Removable Grid
- DQE of 77±5 %
- 16-bit pixel depth for extended dynamic range
- Rotation of $\pm 135^\circ$

TABLESIDE CONTROL HYPERHANDLE - XGCP-880BA

Adjustable, rail-mounted, tableside control provides functional control of component movement and interface with digital console. Control features a slim profile and ergonomic design with tactile control buttons, enhancing the user experience.

CATHETERIZATION TABLE - CAT-850B

Facilitates catheterization of cardiac, cerebral, abdominal and peripheral areas.

- 8-way panning table enables table to be used for numerous radiographic techniques, movements tracked via coordinate display.
- Ample longitudinal movement provides coverage for lower extremity procedures.
- Flat surface eases movement of patient on and off the table.

Specifications

- Sliding movements (manual):
 - Longitudinal stroke: 1350 mm (53.1")
 - Lateral stroke: ± 200 mm (± 7.9 ")
- Vertical movement (motor-driven):
 - 775 mm to 1150 mm (30.5" to 45.3") (from floor level)
- Tabletop rotation range (manual pivot):
 - -180 to 0 degrees
 - 0 to +90 degrees
- Maximum patient weight:
 - 485 lbs. (220 kg IEC) at maximum table extension
 - Can support additional loading of up to 220 lbs. (100 kg) for cardiopulmonary resuscitation (CPR) when table is positioned directly over table base.
- Tabletop Material:
 - Carbon fiber reinforced plastic (CFRP)
- Standard accessories:
 - Tabletop mat
 - Drip infusion stand
 - Arm support, acrylic
 - Armrest, CFRP

MULTI-FUNCTION FOOTSWITCH - XBFS-880S

Provides various image acquisition and other programmable functions via foot pedals and buttons, freeing the clinician's hands and allowing more focus on the patient and image display.

HIGH-VOLTAGE X-RAY GENERATOR 100 kW - XTP-8100XG

Uses dual-inverter method for increased reliability with redundant inverter. Operates in normal/standard mode, low-dose mode and high-dose mode fluoroscopy.

Includes:

- Control console
- Control cabinet
- Power cabinet with high-speed starter
- Fluoroscopy control cabinet
- System power source cabinet

Fluorographic Ratings

- 125 kV, 800 mA (0.1 s)
- 100 kV, 1000 mA (0.1 s)

Pulsed Fluoroscopy Function

- Fluoroscopic tube voltage range: 50 kV to 120 kV
- Fluoroscopic tube current range: 200 mA peak
- Pulse width: 1.0 ms to 13.3 ms
- Repetition pulse rate: 30, 20, 15, 10, 7.5, 5, 3, 2, 1 exp/s (can be selected at the time of installation)
- ABC (auto brightness control) function: provides the automatic adjustment of the tube voltage or the tube voltage and tube current to maintain uniform monitor brightness

Digital Subtraction Angiography (DSA) Functions

- Tube voltage range: 50 kV to 125 kV
- Tube current range: maximum 1000 mA (may be restricted depending on the rating of the X-ray tube assembly)
- Pulse width: 1.0 ms to 100 ms

Digital Angiography (DA) Functions

- Tube voltage range: 50 kV to 125 kV
- Tube current range: maximum 1000 mA (may be restricted depending on the rating of the X-ray tube assembly)
- Pulse width: 1.0 ms to 25 ms

Acquisition Modes

DA Acquisitions:

- 30, 15, 10, 7.5, 5, 3, 2, 1 FPS at 1024x1024 x 8, 10 or 12-bits

DSA Acquisitions:

- 30, 15, 10, 6, 3, 2, 1, 0.5, 0.3 FPS at 1024x1024 x 12-bits

Fluoro Acquisitions:

- 30, 20, 15, 10, 7.5, 5, 3, 2, 1 FPS at 1024x1024 x 10 bits

MULTITASKING DIGITAL FLUOROSCOPY PROCESSOR - DFP-8000B/B2

Toshiba's digital processor provides a variety of features to enhance workflow and image processing.

Common Graphic User Interface

The new digital platform comes with a graphic user interface that is common across modalities on all Toshiba devices for more intuitive operation of all systems.

Advanced Image Processor (AIP)

Toshiba's exclusive imaging technology – AIP (advanced image processing) – is a combination of software, filters and proprietary hardware. AIP enables enhanced visualization of small devices and structures while providing real-time response to optimize the collection of critical imaging information during the most demanding procedures.

Advantages Over Conventional Imaging

- Virtually instant-on fluoroscopy: to help capture critical information at fluoro initiation.
- Noise and anti-blooming suppression technology: to provide a more uniform, high-resolution presentation of the image during fluoroscopy.
- Virtually zero lag during fluoroscopic imaging: to further enhance visualization during movement and while manipulating wires.

Proprietary Technology

AIP proprietary computing technology brings a new dimension to the overall performance of the system, adding specific functions for either targeted or general anatomical imaging to advance treatment planning and intervention. This includes:

- **Dynamic Pattern Recognition Filter (DPRF):** enhances visibility with digital recognition of devices to differentiate devices from anatomy.
- **Dynamic Digital Compensation Filter (DDCF):** improves exam efficiency and decreases dose by reducing the need for acrylic filters.
- **Super Noise Reduction Filters (SNRF):** allows for better visualization of anatomy and device by reducing noise, even with acute angulations.

These enhancements reduce the amount of noise and lag in digital imaging for both digital angiography (DA) and fluoroscopy.

Dynamic Trace

- Use in a panning mode while imaging the lower extremities, and for Bolus Chase examinations, for a more uniform image display and background compression. This provides greater vessel detail even when vessels overlap bone.

Guideview Subtracted 2-D Roadmap Fluoro

Toshiba's proprietary Guideview technology is particularly useful during roadmap imaging and can reduce the amount of contrast injections and dose. Guideview provides the ability to:

- Fade background vs. vessel
- Reverse blacks and whites
- The combination of these two features provides the ability to better distinguish and visualize guide wires within the vessel
- Landmark image
- Adjust brightness and contrast real time
- Create using LIH or acquired image

Features include;

- Peak Pixel Roadmap – provides the optimal, live, peak, fluoroscopic-subtracted roadmap image.
- Add Subtracted Fluoroscopy – provides a completely subtracted display to better visualize live contrast injections or embolic materials.
- CO₂ DSA – provides the optimal, live, CO₂ (low-density pixel), fluoroscopic subtracted roadmap image without the use of iodinated contrast media.

Fluoro Record and Fluoro Store

Enables the easy use of fluoro store and playback to further study regions of interest, potentially reducing overall radiation dose. Ideal for pediatric imaging.

- Tableside, one button control
- 90 seconds or 1020 frames of prospective recording
- 60 seconds or 900 frames of retrospective recording

Digital Live Zoom

Live zoom digitally enlarges images in real time during both fluoroscopy and digital acquisition (DA) and offers the capability to provide a dose savings alternative compared to traditional field of view (FOV) magnifications.

Virtual Collimation using Last Image Hold

Provides an electronic outline to position the collimator and acrylic filter without fluoroscopy, further reducing dose.

DA and DSA

The user-friendly, icon-driven platform provides intuitive, rapid, tableside control over image processing and data management.

Radiographic “One Shot” Mode

Allows the capture of a single image at radiographic technique level. Image can be used as a mask for functions such as “Guideview” subtracted roadmap fluoro.

Simultaneity

True multi-tasking including:

- Image retrieval
- Image acquisition
- Post processing
- Archiving
- Printing

Prevision

Enables retrieval and display of previously acquired Infinix-i series images as reference during follow-up procedures.

Post-Processing Software

- Auto-window
- Roam and zoom
- Distance measurement and stenosis ratio measurement
- Spatial filtering (edge enhancement)
- Brightness/contrast control
- Landmarking percent
- Peak trace
- CO2 trace
- Shutter control
- Annotation
- Image rotation
- Pixel shift
- Panaramic view (available with S-DSA)

Image Recording Unit

High-capacity, high-speed disk (RAID Level 3):

- Maximum recording number:
 - 1024x1024 8/10/12-bits: 118,800/95,000/79,200 loss-less compression
- Online recording

- DVD-R and CD-R Recording
- DICOM 3.0, 512x512 or 1024x1024 8/10/12-bits, JPEG loss-less compression
- Up to 4,800 frames at 512x512 x 8 bits

DICOM Conformance and Dose Reporting

- DICOM Store/Store Commitment, Query/Retrieve
- DICOM MWM and MPPS
- DICOM Structured Dose Reporting provides a comprehensive data set of procedural dose information that is available for output to further analyze and track dose information.

INTERCOM KIT - XIDF-MIC802

- Includes noise-reduction transformer
- Remote operator activates microphone/speaker with footswitch
- In-room microphone/speaker mounts on monitor support

MAIN CONSOLE - XIDF-MCC80S

Control room console with similar functions as exam room console, which enhances workflow due to a more intuitive use of the system. From inside the control room a user can:

- Operate the ring menu
- Use pre-programmed functions
- Control collimator and filters
- Review and manipulate images

FOOTSWITCH FOR CONTROL ROOM - XIDF-FS801S

Footswitch that enables fluoroscopy to be initiated from inside the control room.

DOSE METER CONTROLLER - XJDK-001A/V5

Manages dose when combined with a dose chamber (XJDC-009A or XJDC-016A) on the front of the beam-limiting device.

Sends the following data to the digital fluoroscopy processor:

- Exposure time
- Dose area product (DAP) in μGycm^2
- Dose area product rate (DAP) in $\mu\text{Gycm}^2/\text{s}$
- Calculated surface dose in mGy
- Calculated surface dose in mGy/s

LFOV DOSE CHAMBER - XJDC-016A

For cardiovascular tube. Mounted on top of the collimator to enables dose data for real-time display.

IMAGE MAKER EXPRESS

Image Maker Express is an online marketing resource that helps Toshiba customers build demand for imaging service by growing their referring physician and patient relationships. Image Maker Express includes:

- Easy-to-use marketing resources and tools developed exclusively for Toshiba customers to bring together effective marketing strategies and tactics.
- A wealth of collaterals and content to create high-quality brochures, print ads and more to help market the Toshiba customer's new imaging capabilities.

Image Maker Express Materials available include:

- Product images and logos
- Clinical images and videos
- PowerPoint presentations and promotional videos
- Brochure samples
- Customizable press releases and media tips
- Marketing strategy tutorials

**Offerings may vary per product*

APPLICATION TRAINING

Each system includes a three phase education program and the industry exclusive Performance Pro guarantee.

Performance Pro is a unique approach to education utilizing blended learning with the promise of technical proficiency and optimal productivity. If for any reason the customer is not satisfied with any portion of the training, Toshiba will conduct that portion of the training again, at no charge.

Phase I: Two (2) attendance vouchers for a four (4) day technologist-focused course held at the Toshiba Institute of Advanced Imaging in Irvine, California. This course provides the fundamentals of operating Toshiba's Infinix-i VL system, including a variety of VL exams performed with the latest dose reduction techniques. This course includes in-depth lectures and hands-on training. At the completion of the course, the attendee will be proficient in the following applications and operations: basic to advanced VL imaging console operation, system menus, system default protocols, post-processing image data, and basic troubleshooting. This course is all inclusive of the following: tuition, airfare (booked by Toshiba), lodging, and meals. Accredited for CE credits by the ASRT Education Foundation.

Phase II: An initial thirty-two (32) hours, of on-site education will be provided at the customer facility during system go-live. This training is provided for up to four (4) imaging professionals including the two (2) that attended Phase I training, to focus on maximizing imaging techniques, protocols and system operation. Training is scheduled consecutively, Monday through Friday, with Monday mornings and Friday afternoons scheduled as travel time for the applications specialist. CE credits are earned by participants that attend the Phase II training event in its entirety.

Phase III: An additional sixteen (16) hours of on-site education will be provided for the same four (4) imaging professionals, which participated in Phase II training, approximately 6-8 weeks following installation to optimize staff proficiency and system productivity.

Note: Toshiba personnel are not responsible for imaging patients, patient safety, any actual patient contact, or operation of equipment during education sessions. Toshiba will only demonstrate proper equipment operation.

The training is offered to the Customer at no charge, providing that it is completed no later than one (1) year after the warranty start date.

Additional classroom and onsite training is available for purchase.

Applications support is available by phone on the toll-free ASSIST line, 1-800-521-1968.

CUSTOMER CARE SERVICES

Developed with customer input, Toshiba's innovative support programs have resulted in increased customer satisfaction. The following support programs are available to customers covered under warranty:

InTouch Center®

This centralized service facility provides applications and service support 24 hours a day, seven days a week.

InnerVision™ Plus

Remote system diagnostics are available around the clock to help identify problems and provide potential solutions before care is interrupted.

Technical Assistance

Customer support specialists are available 24/7 to help resolve technical issues in real time.

Local Customer Teams

A single call mobilizes a local team of Toshiba customer engineers. With an average of over 10 years of Toshiba experience and more than 100 hours of specialized training, they can resolve any performance issue.

Parts Support

A complete inventory of product parts maintained in 34 parts depot locations throughout the country for shipment when and where they are needed, any time of day or night.

INTOUCH SERVICE MAINTENANCE AGREEMENTS

Toshiba offers a variety of customizable service plans ranging from shared risk to full security maintenance agreements that provide complete system coverage.

**The Infinix-i Sky is the INFEX-8000C with 830 C-arm*

1 OVER HEAD HANDGRIPS / ARMREST FOR CAT-850B/CAT-860B/CAT-870B

This armrest allows the patient's arms to rest comfortably when they are positioned above the patient's head.

For use with CAT-850B, CAT-860B and CAT-870B Tables

1 MUSHROOM HANDLE

Table mounted for convenient, quick positioning of floating tabletop with magnetic brake release.

1 2" TABLE PAD FOR CAT-850/CAT-860B/CAT-870

Two-inch thick Infinix table pad made with a combination of dense foam and memory foam for patient comfort in longer procedures, black stretch vinyl cover.

1 TABLE LONGITUDINAL SENSOR KIT

1 CABINET SIDE COVER

This side cabinet cover is required in select installations due to site limitations in the Equipment Room, such as a floor-to-ceiling support beam causing separation of cabinets. This part provides for both left and right side cover needs.

Note: Only for DFP-8000B and later versions.

1 CABINET CORNER COVER

This part is required for installations in which the electronics cabling for Infinix-i must be routed to floor-level cable race rather than the usual ceiling-level cable race. This part provides for both left and right end covers, whichever is needed per cable routing at individual site installation.

Note: Only for DFP-8000B and later versions.

1 21" COLOR MONITOR KIT

1 LCD FLAT-PANEL COLOR MONITOR 21

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m² luminance (typical)

1 SUPINE POSITION SCOOP ARM SUPPORT

- Patient weighted arm boards hold weight of patient's arm alongside the torso at the Infinix table edge
- Set of two

1 ANTI-FATIGUE FLOOR MAT

1 MAVIG TABLE MOUNTED RADIATION SHIELD

Provides additional radiation protection from direct and scatter X-ray exposure.

- Mounts on Toshiba Infinix-i tableside rails, reversible for right or left side mounting
- Three-piece radiation shield assembly:
 - Main shield: 181 mm x 645 mm
 - Angled side shield: 700 mm x 645 mm
 - Tabletop scatter shield: 700 mm x 700 mm (removes to facilitate patient loading)
- Wall storage holders:
 - Upper shield: 600 mm
 - Lower shield: 460 mm
- Includes mini-rail for mounting table-function controls, if desired.

1 COPPER PHANTOM FOR WAKE UP PROGRAM

Wake Up Check test phantom for daily QA.

Includes 2mm copper and instructions to be used for the Wakeup Check protocol, which checks the imaging conditions for DA, DSA and One Shot acquisition.

	1	WAKEUP CHECK PROCEDURE BOOKLET
MONITOR/STAND -19-KIT.100	2	MONITOR KIT: 19" COLOR MONITOR WITH BASE PLATE - CONTROL OR EXAM ROOM
	2	19" COLOR MONITOR
	2	BASE PLATE FOR 19" LCD DESKTOP MONITOR
CL19196	2	19" COLOR MONITOR
LARGELCD/B2.100	1	LARGE 58" LCD MONITOR - MEDICAL GRADE The 58" monitor displays critical patient information on one display and allows easy image display size, content or pattern changes with the joystick function on the Infinix tableside control.

The 58" monitor display system:

- Combined with Infinix-i imaging capabilities and the monitor suspension system, enhances the clinical environment and provides more critical patient information in one display.
- Improves the working space by reducing the profile of the monitor assembly and connection cabling.
- Provides and displays both patient information and anatomical images in a variety of sizes and patterns.
- Can quickly change from one enlarged image to six different displays, or choose from a multitude of display combinations.
- LMM Box is an ancillary component of the Eizo Video Integration Solution that enables video connectivity of multiple devices for display on the 58" monitor.
- Package includes a video scaler to accommodate automatic recognition of variable video resolution formats includes VGA, DVI, BNC and S-Video connectors for external Video input of mobile devices (i.e. Ultrasound) used during the case.

Components

- High-resolution 58" monitor display
- Monitor guard
- Digital processor with up to 27 inputs to manage image display sizes and patterns
- Programmable touch panel to change and arrange image sizes and display patterns based on clinical preferences
- Video scaler and DVI extender for connection of mobile devices at tableside.

Monitor suspension sold separately

2 MONITOR MOUNT BRACKET ASSEMBLY

Mounts one smaller monitor, typically 19'', on the rear of a large LCD monitor suspension unit.

- Bracket holds one smaller monitor (typically non-fluoro) with a 100 VESA mount
- Mounts to rear on either side of the large LCD suspension assembly to provide additional location for alternate monitor (maximum of two monitors, one for each side)

Note: Total weight of each monitor must not exceed 20 lbs each. Maximum weight of combined optional items may not exceed 155 lbs. Consult with your Toshiba representative to determine total weight payload.

Alternate monitor sold separately.

1 INSTALLATION CABLES FOR LARGE LCD MONITOR

1 CABINET FOR LARGE LCD COLOR DISPLAY MONITOR

Wall or floor mounted storage unit to house large LCD monitor electronic components.

1 TRIPP LITE WALL MOUNT CABINET

1 PROTECTOR FOR LARGE LCD MONITOR

Provides protection for the large LCD monitor glass. This commercially available device is easy to install and remove at a moment's notice, allowing greater flexibility for the medical staff to have individual preference when deciding when to use or not use the large LCD monitor protection device.

1 UNIVERSAL CONNECTION MODULE FOR LARGE LCD MONITOR

The UCM enables connection of a variety of mobile medical devices for video input on the large LCD monitor. This unique design is capable of accepting and converting video signal from; DVI, VGA, BNC, and S-Video. Only one video signal can provide input at a time.

1 DVI EXTENDER AND RECEIVER CABLE

5 IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

The ICM enables extension of a single DVI video output, maximum resolution 1920x1200@60Hz, providing the ability to interface ancillary medical devices for display on the large monitor. The ICM typically resides in the control room, where one ICM is needed for each video output intended to be displayed on the large LCD monitor.

A240-1092R2

1 LARGE LCD MONITOR SUSPENSION FOR CAS RAILS FOR BIPLANE, CEILING AND DUAL PLANE SYSTEMS

Optimizes monitor positioning around the patient table with an articulating arm for vertical height adjustments and a column that allows virtually 360 degree rotation. The transverse provides ample side-to-side positioning with a 60-inch movement range.

- Holds one large LCD monitor with a VESA 400 mount
- Total weight payload: 155 lbs (70.45 kg)
- Complete assembly included:
 - Bridge
 - Interface
 - Toshiba CAS rails
- Accommodates up to two monitor mount bracket assemblies or mounting brackets for monochrome monitors to rear-mount smaller monitors (typically 19")
- Includes attachments and grounding hardware including a 100-foot AC power cable

Other optional devices will add payload weight. Please consult with a Toshiba representative regarding adding items to this assembly.

**LARGELCD/ICM.1
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3 DVI EXTENDER AND RECEIVER CABLE

XBER-001A

1 TABLE SIDE CONTROL EXTENSION RAIL SET (PAIR)

- Designed for application with the CAT-850B, CAT-860B or CAT-880B tables only
- Tableside rail set (2), one for each side

- Designed to accommodate Infinix table controls and common accessories (e.g., I.V. pole)

XBET-001A	1	FOOT-END TABLE EXTENSION (REQUIRES XBER-001A) Auxiliary table extension installed at the foot end of the table. Easily folds over on to the foot end of the table when not in use.
2.5M-CEILING-TRACK2.5.100	1	MAVIG 2.5 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS The Mavig 2.5 M Ceiling Track enables up to two devices (maximum of one light) to be mounted on a single trolley. The 360 column with trolley has one electrified pin with 330 degrees of rotation capability and a lower pin with 360 degrees of rotation. Each pin has a load capacity of 18 kgs. Each trolley comes standard with a Brake Handle Strap which makes the system more user friendly.
OT90001-US	1	MAVIG PORTEGRA2 (95/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM) The MAVIG Center Mounted Contour Cut-Out Shield measures 76 cm by 61 cm and includes a Portegra2 Extension Spring Arm with two arms measuring 95 cm and 90 cm. The transparent acrylic shield contains 0.50 mm Pb and is easily manipulated into position by use of a height adjustable handle.
LE70043	1	MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH M130F LED LAMP The MAVIG M130F LED Lamp provides 60,000 LUX of focusable light ranging from 14 to 25 cm field size.
MARK7-TABLE	1	MEDRAD / BAYER MARK 7 ARTERION INJECTOR (TABLE MOUNT) The Mark 7 Arterion Table Mount injector takes advantage of latest technologies, making it light, maneuverable and easy to use. Includes: <ul style="list-style-type: none"> • Table rail mount • Ergonomic injector head handle for easier maneuverability • Unique front-load syringe • Desk type display control unit • Imaging system interface • Injector installation by Medrad included

XIDF-ROT801**1 2D ROTATIONAL SPIN ANGIOGRAPHY**

The system has integrated multiple forms of rotation technology to include high-speed C-arm rotation for 3-D acquisition and 2-D rotational capabilities. High-speed rotation provides acquisition frame rates ideal for high-resolution 3-D reconstructions.

Specifications

- Image size: 1024x1024; 12-bit
- Image rate (FPS): Up to 25 FPS at 1024x1024 matrix
- Acquires images throughout and up to a 200-degree C-arm arc
- X-ray exposure timing: angle trigger method
- Provides 3-D color image display for enhanced diagnosis, treatment planning and interventional procedures.

Rotational DSA

- Programmable single-axis rotation (manual or auto) to optimize display area

XIDF-SFL801**1 SPOT FLUORO**

Spot Fluoro software takes collimation to a new level by enabling asymmetric collimation and Last Image Hold (LIH) Overlay.

With asymmetric collimation a desired region of interest (ROI) can be specified anywhere in the field of view. This off-center, free spot, collimation capability enhances workflow by allowing the collimator blades to work around the patient so repositioning is eliminated.

LIH Overlay merges the collimated live fluoro onto the full field of view LIH, on a single monitor. Reference anatomy or landmarks remain on the same monitor, enabling collimation when traditional methods restricted its use.

XIDF-AWS801/B3.100**1 SYSTEM KIT: INFINIX-I ANGIO WORKSTATION (AWS) WITHOUT 3-D ANGIO SOFTWARE****1 MAIN UNIT: INFINIX-I ANGIO WORKSTATION (AWS) WITHOUT 3-D ANGIO SOFTWARE**

- Supports Analysis and Planning Software.
- Supports 3D-DA/DSA applications.
- Supports 3-D Roadmap and Multi-Modality Roadmap.
- Supports Parametric Imaging.

Parametric Imaging (PI) Functions*

- Displays an entire image sequence as a single composite DSA image that is color coded in order to characterize the contrast media dynamics and to allow easier visual evaluation

- Color Coded Circulation (CCC) can create movies by shifting color scale gradually so that it is easy to understand vessel flow

**Parametric Imaging Software is not intended for stand-alone use or diagnosis*

***Note: All advance 3D and Analysis software is optional.
If it is desired to extend viewing and control of advanced imaging applications into the exam room the extension kit must be selected as an option and possibly other components dependent on current monitor configuration.***

This AWS is compatible with DFP versions 4.50 and greater.

2 LCD FLAT-PANEL COLOR MONITOR 21

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m² luminance (typical)

1 IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

The ICM enables extension of a single DVI video output, maximum resolution 1920x1200@60Hz, providing the ability to interface ancillary medical devices for display on the large monitor. The ICM typically resides in the control room, where one ICM is needed for each video output intended to be displayed on the large LCD monitor.

1 MULTIPURPOSE TABLESIDE CONTROL KEYBOARD AND MOUSE EXTENSION KIT FOR AWS, AND UP TO THREE OTHER PORTS

1 KEYBOARD AND MOUSE TABLESIDE MOUNTING DEVICE

Designed to mount on any Infinix-i tableside rail set. Easily attaches to the tableside rails and provides an adjustable platform to hold a keyboard and mouse.

The assembly has multiple pivot points to accommodate a variety of positions to provide an ergonomic friendly setup. Enables the ability to conveniently place a keyboard and mouse right at tableside to interface with exam room monitors

Also the assembly is designed to alternately mount a touch screen of monitor at tableside. Components are included to enable this attachment.

XIDF-DTS802**1 DOSE TRACKING SYSTEM**

DTS provides a virtual patient dose map with real time tracking of estimated peak and accumulated skin dose during an interventional procedure.

- Color-coded and easy to read 3D spatial visualization of radiation exposure to the patient and clear indication of radiation distribution.
- Real time feedback enables the clinician to make procedural adjustments and thus limit exposure in any area for prolonged periods.
- Estimation of peak skin dose available on cardiovascular/neurovascular procedures.

Please note: Dose Tracking System requires AWS 6.0 (XIDF-AWS801/B1). Additional monitors for exam room viewing may be required depending on current configuration and are not included.

**9390REMOTEPANE
LKIT.100****1 REMOTE MONITOR PANEL KIT FOR UPS**

A display device providing real-time operating status of the UPS battery. It can be mounted anywhere in the operating area or control room.

NOTE: To install this device in an existing lab could incur extra renovation cost due to cables and conduit running in between the RMP and the UPS battery cabinet. Site inspection beforehand is necessary.

**UPS-VL-REMOTE-
PCDU/480S.100****1 UNINTERRUPTIBLE POWER SUPPLY WITH REMOTE PCDU 480V
SMALL BATTERY**

Uninterrupted power supply with remote PCDU provides up to 5 minutes of backup system power when facility power loss has occurred.

- Designed for 480 VAC input
- Battery system provides up to 5 minutes of full system power
- Provides integrated power conditioning and voltage regulation
- Designed to handle power input from +10% to -15% and maintain steady input power to the system

1 UPS,3PHASE,CABINET,480V**1 CABINET,BATTERY,SMALL****1 PDU-VASCULAR**

The Toshiba PDU-VASCULAR power distribution unit (PDU) is the next generation PDU designed for Toshiba's vascular x-ray system. This PDU accepts 277/480VAC, 3Ø mains input power and provides 277/480VAC non-isolated power to the XTP generator output power AND 120/208VAC, 1Ø isolated power to various power outputs.

The PDU-VASCULAR unit is enclosed in a standard, floor mount PDU enclosure similar in shape and size to its predecessor PCDU-100VL.

Includes:

- Mains input breaker with undervoltage protection
- Remote EPO capability
- Isolation transformer (120/208V outputs only).
- TEALwave filters
- Valuetrap suppressors
- PQube power monitoring

MIAB-600	1	PRONE POSITION ARMBOARD FOR CAT-850B/CAT-860B/CAT-870B Provides arm support when patient is in the prone position on the angiographic table. <ul style="list-style-type: none">• Allows comfortable arm support with patient in prone position• Mounts easily onto the table without clamps or belts• Compatible with CAT-850 and CAT-870 table• Made of radiolucent material that is easy to clean
XBFG-850B	1	CONTROL CONSOLE WITH MUSHROOM HANDLE FOR CAT-850B/CAT-860B Mounts on the table side rails of the CAT-850B table. Functions: <ul style="list-style-type: none">• 4-way table panning• Vertical table lift• Table pivot• Table lateral movement lock Note: This console cannot be combined with CAT-870B or CAT-880B tables.
XBAR-001A	1	SINGLE ARM BOARD Carbon fiber arm rest for the right or left side. One is included standard with CAT-850B table.
9432	1	BARIATRIC TABLE WIDTH EXTENDER FOR CAT-850B (PART # 9415 CAN BE ATTACHED BUT SOLD SEPARATELY) Increases Infinix table width for patient comfort. Compatible with optional removable accessory rail item 9415.
57CM-COLUMN-TROLLEY.100	1	MAVIG CEILING 360 COLUMN WITH TROLLEY (57 CM) WITH BRAKE STRAP Mavig 57 cm 360 column for radiation shields and lights, with trolley and brake handle strap.

VAT3600CG

1 VL INFINIX SERIES TROUBLESHOOTING AND REPAIR BIOMED TRAINING COURSE - TUITION ONLY (8 DAYS)

This eight day Vascular Troubleshooting and Repair course held at the Institute of Advanced Imaging in Irvine, California covers the diagnosis/isolation of faults and repair of the Infinix-I series vascular systems.

Upon completion of the course, the CE will understand the overall system concepts, trace signals (Command, Drive, and Feedback), comprehend image flow and processing, and understand the image parameter settings effects on image quality. Students will become familiar with using the Service Manual to identify possible repair solutions, identify error codes, and using the service tool as a troubleshooting aid.

Students must bring notebook computers equipped with Windows XP or Windows 7 with Office applications, a CD-ROM drive, serial port RS232, and network connectivity. Laptops are not available to borrow or rent during class.

*Please note: the VL Infinix Series Biomed Service Classroom Course VAT2600CG is a required prerequisite for this course.

This course includes tuition only. Airfare, meals, and lodging are not included.