

SECOND - GENERATION

MITSUBISHI

DIAMONDTRON™

CRT TECHNOLOGY

DIAMOND PRO® 87TXM. A 17" (16.0" DIAGONAL VIEWABLE IMAGE) DIAMONDTRON™ MONITOR.



NEW MODEL!



At the core of the Diamond Pro 87TXM monitor is the DIAMONDTRON CRT. The new hybrid tube incorporates a cylindrical, vertically-flat, square-cornered faceplate with an aperture grille mask design and Mitsubishi's proprietary NX-DBF (Dynamic Beam Forming) electron gun to provide exceptional center-to-corner and edge-to-edge focus.

Mitsubishi continues to expand its DIAMONDTRON aperture grille CRT family with the *second generation* of professional monitors: The Diamond Pro 87TXM.

- DIAMONDTRON CRT with a 0.25 mm pitch aperture grille mask and high-contrast optical-quality coating
- Digital Chassis design for enhanced adjustment capabilities, an improved feature/cost ratio and a more compact enclosure
- Utilizes more advanced performance features such as Moiré Cancellation and On-Screen Display (OSD) control system with icon-based control panels and intuitive front-panel buttons
- Includes a universal Apple® Macintosh® adapter and a coupon for two value-added software kits in each box (Note: Free software coupon offered in the U.S.A. only)
- Dynamic Beam Forming electron gun ensures precise definition at screen edges
- Backed by Mitsubishi's Diamond Edge: Dedicated corporate sales force; three-year limited warranty; Corporate Partners Program and nationwide service centers





With the advent of graphical operating systems and sophisticated software, applications have called for bigger monitor screens capable of supporting higher resolutions and providing a brighter picture, while maintaining excellent image integrity.

Mitsubishi's response was to develop a new CRT type, the DIAMONDTRON, to meet the needs of demanding graphic applications. This CRT's aperture grille mask design permits a greater portion of the electron beams to pass through the structure, resulting in a brighter picture. Mitsubishi's unique NX-DBF (Dynamic Beam Forming) electron gun enhances and improves screen resolution, maintains beam focus from center to edge, and increases corner resolution.

The Diamond Pro 87TXM second generation DIAMONDTRON monitor also includes Mitsubishi's proprietary Digital Chassis, as well as user adjustable static convergence and precision geometry. This new design also results in fewer components for higher reliability and smaller enclosures, allowing the monitors to be easily integrated into existing work spaces.

The monitor also features high-contrast, optical quality, anti-static, anti-glare CRT coatings that allow high resolution images to retain their vibrancy and clarity.

Catch the Resolution RevolutionSM with DIAMONDTRON – an entirely new way of looking at your monitor.



SPECIFICATIONS	FEATURES	BENEFITS
CRT Type	DIAMONDTRON™	Mitsubishi is the creator of DIAMONDTRON and now offers an improved, second-generation design.
CRT Size	17" (16.0" diagonal viewable image)	Excellent for general business, advanced desktop publishing, graphic design and CAD applications.
CRT Pitch	0.25 mm aperture grille	Ultra-fine aperture grille for all high resolution applications. EBU (P22E) phosphors.
CRT Faceplate Glass	Optical quality, high-contrast, anti-static and anti-glare CRT coating	Minimizes reflected ambient light. Allows high resolution images to retain their intended vibrancy and clarity.
Display Area Size* (W x H)	12.8 x 9.5" (325 x 240 mm)	Larger viewing areas than comparable flat-square models. *(Recommended, but adjustable)
Maximum Addressable Resolution Format (H x V pixels)	1600 x 1200/66 Hz NI	Compatible with all IBM®, UNIX®, Apple Macintosh, Power Macintosh and third-party graphics standards.
Auto-Scan Range	H: 30 - 86 kHz V: 50 - 130 Hz	Monitor will automatically "lock on" to any RGB analog signal within its wide operating frequency range.
Scan Mode Memory With On-Screen Display	Microprocessor-based	Stores custom and pre-calibrated parameters for up to 28 different modes.
Diamond Match Color Calibration System	3 position (9300°, 6500° and 5000°) (All user definable)	Permits custom set-up of on-screen color balance for desktop publishing, broadcast video graphics, and other color critical applications.
Video Amplifier	135 MHz	Precise display of pixels at the higher resolutions.
Input Signal	Analog RGB; TTL H/V and C Sync.	Separate, composite or sync on green.
Signal Cable	1.5 m length (approximately)	VGA-compatible signal cable included.
Cable Accessories	Universal Macintosh adapter included	
Software Kits** (Windows or Macintosh)	Diamond Control DiamondMatch Color Calibrator Kit	Computer-controlled display set up adjustments and self-sufficient power management. Provides accurate on-screen printer output color management.
Power Requirements	100-120 or 220-240 VAC; 50/60 Hz	Auto-sensing all-world power compatibility.
Power Consumption	120 W (approx).	Low power consumption.
Power Cord	1.5m U.S. version cord with 3P plug	Included/detachable.
Compact Tilt/Swivel Base	Integrated with monitor	Viewing angle is adjustable for user comfort.
Dimensions (W x H x D)	16.1 x 16.1 x 16.7" (410 x 409 x 425 mm)	Smaller than most comparable monitors.
Weight	48.4 lbs (22 kg)	
Packing Carton (W x H x D)	20.9 x 20.9 x 22.5" (530 x 530 x 570 mm)	
Shipping Weight	55 lbs. (25 kg)	
Regulatory Approvals	UL/CSA/DHHS/HWC FCC-Class B/MPR-II/DDC2B/TCO ISO 9001/ISO 9241-3	Electrical safety/x-radiation/EMI-RFI. Complies with USA/Canadian standards. Low magnetic emission design. Meets ISO 9001 quality standards.
Plug And Play	DDC2B	Easy to install and use
Power Management	Energy Star, DPMS and NUTEK	Save energy and resources when used on compatible systems.
Warranty/Support	Three years parts and labor limited warranty	Protected investment with guaranteed lower cost of ownership.
Corporate Partners Program	Available to qualifying accounts only	48 hour warranty exchange for qualifying accounts.

For more information on the Diamond Pro 87TXM, or any of Mitsubishi's other 15" to 42" (13.8" to 40.0" diagonal viewable image) color monitors, call the office nearest you today. Detailed technical specifications available upon request.

Monitor Part Number: TFM8705SKHK

**Coupon for Diamond Control and DiamondMatch Color Calibration Kit included free of charge in each box.

Note: Free software coupon offered in the U.S.A. only.

Authorized Mitsubishi Electronics Reseller:

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