



Flat Display Systems for Medical Imaging



Higher Stability, Brightness  
and Ultimate Precision for  
Various Modalities and  
Medical Applications

**Texas  
Precision  
Digital A/V**

# TOTOKU

	<b>Totoku CCL192plus</b>	<b>Totoku CCL250i</b>	<b>Totoku CCL350i</b>
<b>Panel Manufacturer/ Technology</b>	Fujitsu, TFT Color Active Matrix, MVA	NEC TFT Color Active Matrix, S-IPS	IDTech TFT Color Active Matrix, IPS
<b>Screen/Display Area Size (inches)</b>	<b>19</b>	<b>21.3</b>	<b>20.8</b>
<b>Maximum Resolution</b>	1280x1024	1600x1200	2048x1536
<b>Type/Number of Video Input Ports</b>	Analog, Digital (DVI), S-Video, NTSC/PAL	Analog & Digital (DVI)	Digital (DVI)
<b>Viewing Angle (horizontal/vertical)</b>	178 degrees	170 degrees	170 degrees
<b>Total Pixel Count</b>	1.3Mega Pixels	2Mega Pixels	3Mega Pixels
<b>Pixel Pitch (mm)</b>	0.29	0.27	0.207
<b>Fill Factor (% Cell Area Luminance)</b>	42%	37%	38%
<b>Brightness (candela/m2 or nits)</b>	450	450	400
<b>Maximum Number of Grayscale Levels</b>	256 grayscale and 16.77million colors	10 Bit (1021 step-gradation) to 256 gradation display 16.77million colors	10 Bit (1021 step-gradation) to 256 gradation display 16.77million colors
<b>Maximum Contrast Ratio</b>	600:1	450:1	400:1
<b>Software Included</b>	DICOM Preset	MediVisor	MediVisor
<b>Lamp Life (Hours to 50% Luminance)</b>	50,000	50,000	50,000
<b>Calibration Software Offered/Included</b>	N/A	YES	YES
<b>Software Features</b>	Factory Calibrated to DICOM compliance. Preselectable Gamma curve adjustments in OSD.	Luminance & Gamma curve correction, DICOM calibration, Compliance verification and more.	Luminance & Gamma curve correction, DICOM calibration, Compliance verification and more.
<b>Graphics Card Support</b>	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability.
<b>Unique Features</b>	PIP (Picture in Picture) - High Contrast - High Luminance - Very Wide Viewing Angle - Fast Response - Remote Control OSD Software Optional.	High Brightness/Contrast Ratio 450:1 - Exceptional 170 Degree Viewing Angles -16.77 Million Colors - DICOM Compliant - Suitable for Image Display PACS	High Brightness/Contrast Ratio - 170 Degree Viewing Angles - Gray Scale - Full Range of Colors - DICOM Compliant - Suitable for HI-Res Image Display for PACS

# TOTOKU Monochrome LCD Monitors

**Higher Stability, Ultimate Precision and Usability for CR, CT, MRI Images**



	<b>Totoku ME181L</b>	<b>Totoku ME251i</b>	<b>Totoku ME351i</b>	<b>Totoku ME511L</b>
<b>Panel Manufacturer/Technology</b>	IDTech TFT Monochrome Active Matrix, IPS	NECTFT Monochrome Active Matrix, S-IPS	NECTFT Monochrome Active Matrix, S-IPS	NECTFT Monochrome Active Matrix, S-IPS
<b>Screen/Display Area Size (inches)</b>	<b>18.1</b>	<b>21.3</b>	<b>20.8</b>	<b>21.3</b>
<b>Maximum Resolution</b>	1280x1024	1600x1200	2048x1536	2560x2048
<b>Type/Number of Video Input Ports</b>	Analog & Digital (DVI)	Digital (DVI)	Digital (DVI)	Digital (DVI)
<b>Viewing Angle (horizontal/vertical)</b>	170 degrees	170 degrees	170 degrees	170 degrees
<b>Total Pixel Count</b>	1.3Mega Pixel	2Mega Pixels	3Mega Pixels	5Mega Pixels
<b>Pixel Pitch (mm)</b>	0.28	0.27	0.207	0.165
<b>Fill Factor (% Cell Area Luminance)</b>	58%	37%	38%	33%
<b>Brightness (candela/m2 or nits)</b>	700	1500	700	750
<b>Maximum Number of Grayscale Levels</b>	10 Bit Grayscale Palette (1021 shades)	11.9 Bit (3826 step-gradation) to 256 gradation display. Simultaneous display of 10bit (1024) grayscale is possible	11.9 Bit (3826 step-gradation) to 256 gradation display. Simultaneous display of 11bit (2048) grayscale is possible	11.9 Bit (3826 step-gradation) to 256 gradation display. Simultaneous display of 11bit (2048) grayscale is possible
<b>Maximum Contrast Ratio</b>	600:1	700:1	900:1	800:1
<b>Software Included</b>	MediVisor	MediVisor	MediVisor	MediVisor
<b>Lamp Life (Hours to 50% Luminance)</b>	50,000	50,000	50,000	50,000
<b>Calibration Software Offered/Included</b>	YES	YES	YES	YES
<b>Software Features</b>	Luminance & Gamma Curve Correction, DICOM Calibration and More.	Luminance & Gamma Curve Correction, DICOM Calibration, Compliance Verification and more.	Luminance & Gamma Curve Correction, DICOM Calibration, Compliance Verification and more.	Luminance & Gamma Curve Correction, DICOM Calibration, Compliance Verification and more.
<b>Graphics Card Support</b>	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability.	<b>Totoku Graphics Card Only</b> Use Totoku Graphics Card for Full Capability.
<b>Unique Features</b>	Excellent High Definition Monitor for displaying CT, Floroscopy, Angio and MRI Images	Long Life - 5 Yr Warranty - Large High Luminance Front Sensor Technology - High Contrast Excellent High Definition of Medical Images	Front Sensor Technology High Brightness/Contrast Ratio Hardware Pivot Function	5 Mega Pixel Ultra High Resolution Grayscale - Large High Brightness/Contrast Excellent for Mammography FDA 510K PACS & Digital Mammo



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Texas Precision Digital A/V is an authorized dealer of CD PowerPacs through Data Distributing.