

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



Flat Display Systems for Medical Imaging



TOTOKU

Texas Precision Digital A/V

	Totoku CCL192plus	Totoku CCL250i	Totoku CCL350i
Panel Manufacturer/Technology	Fujitsu, TFT Color Active Matrix, MVA	NEC TFT Color Active Matrix, S-IPS	IDTech TFT Color Active Matrix, IPS
Screen/Display Area Size (inches)	19	21.3	20.8
Maximum Resolution	1280x1024	1600x1200	2048x1536
Type/Number of Video Input Ports	Analog, Digital (DVI), S-Video, NTSC/PAL	Analog & Digital (DVI)	Digital (DVI)
Viewing Angle (horizontal/vertical)	178 degrees	170 degrees	170 degrees
Total Pixel Count	1.3Mega Pixels	2Mega Pixels	3Mega Pixels
Pixel Pitch (mm)	0.29	0.27	0.207
Fill Factor (% Cell Area Luminance)	42%	37%	38%
Brightness (candela/m2 or nits)	450	450	400
Maximum Number of Grayscale Levels	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
Maximum Contrast Ratio	600:1	450:1	400:1
Software Included	DICOM Preset	MediVisor	MediVisor
Lamp Life (Hours to 50% Luminance)	50,000	50,000	50,000
Calibration Software Offered/Included	N/A	YES	YES
Software Features	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.
Graphics Card Support	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability.
Unique Features	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



Flat Display Systems for Medical Imaging

	Totoku ME181L	Totoku ME251i	Totoku ME351i	Totoku ME511L
Panel Manufacturer/Technology	IDTech TFT Monochrome Active Matrix, IPS	NECTFT Monochrome Active Matrix, S-IPS	NECTFT Monochrome Active Matrix, S-IPS	NECTFT Monochrome Active Matrix, S-IPS
Screen/Display Area Size (inches)	18.1	21.3	20.8	21.3
Maximum Resolution	1280x1024	1600x1200	2048x1536	2560x2048
Type/Number of Video Input Ports	Analog & Digital (DVI)	Digital (DVI)	Digital (DVI)	Digital (DVI)
Viewing Angle (horizontal/vertical)	170 degrees	170 degrees	170 degrees	170 degrees
Total Pixel Count	1.3Mega Pixel	2Mega Pixels	3Mega Pixels	5Mega Pixels
Pixel Pitch (mm)	0.28	0.27	0.207	0.165
Fill Factor (% Cell Area Luminance)	58%	37%	38%	33%
Brightness (candela/m2 or nits)	700	1500	700	750
Maximum Number of Grayscale Levels	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
Maximum Contrast Ratio	600:1	700:1	900:1	800:1
Software Included	MediVisor	MediVisor	MediVisor	MediVisor
Lamp Life (Hours to 50% Luminance)	50,000	50,000	50,000	50,000
Calibration Software Offered/Included	YES	YES	YES	YES
Software Features	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.
Graphics Card Support	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability. COTS (Commerical off the Shelf) OK but are Not Supported	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability.	Totoku Graphics Card Only Use Totoku Graphics Card for Full Capability.
Unique Features	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



Texas Precision Digital A/V
 208 W. Loop 539
 Cibolo, TX 78108
 (210)654-8549
 (210)658-3710 (fax)
 www.tpdav.com
 Information@tpdav.com

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