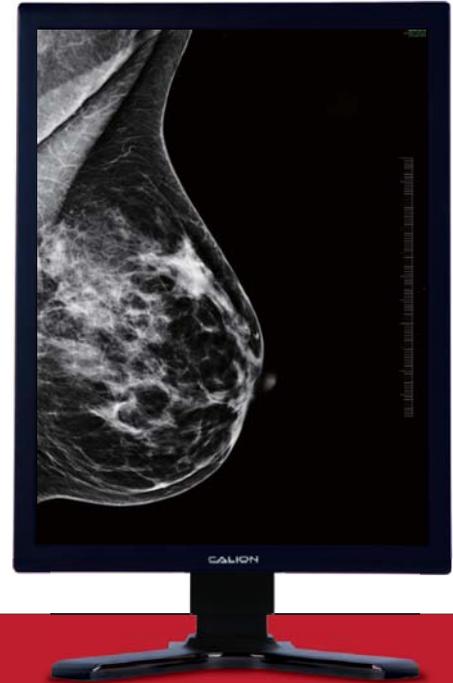


D213V5E-CA

12, 14-bit Digital Mammography & Modality Imaging Solutions



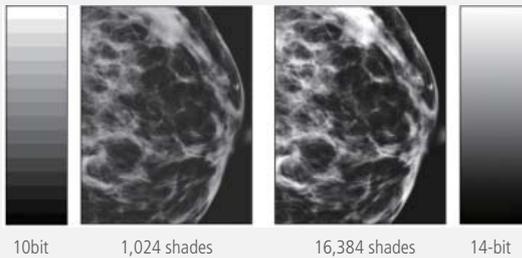
12, 14-bit brand new diagnostic imaging solution is a unique and initiative high-resolution imaging solution, ideally designed for the needs of multi-function and high-performance modality imaging display. Equipped with extremely high density LCD panel and innovative image controller rendering 12, 14-bit DICOM LUT, these brand new monitors guarantee radiologists diagnostic confidence with accurate and crisp imaging performance.

Model		D213V5E-CA				
LCD Panel	Technology	21.3-inch TFT Monochrome IPS mode [CMI]		Features	DICOM mode shift	N/A
	Display Area	422.4(H)mm x 337.92(V)mm			Gamma mode shift	DICOM
	Pixel Pitch	0.165(H)mm x 0.165(V)mm			OSD info display	Luminance Settings, etc
	Contrast Ratio	850 : 1 (Typ.)		Physical	Stand	Tilt, Lift, Swivel, Pivot
	Luminance (Max)	1100 (cd/m ²)/ Default- 500 (cd/m ²) or custom			Dimensions(WxHxD)	With stand: 390x510x240 (portrait) / Without stand: 390x470x100 (portrait)
	Viewing Angle	170(H) / 170(V)			Weight	With stand: 9Kgs / Without stand: 6Kgs
	Response Time	36ms (Tr + Tf) (Typ.)			Mount	100mm x 100mm VESA standard
Performance	Resolution	2560(H) x 2048(V) pixels		Certification	MDD(KC, CE, FCC, VCCI, UL)	
	Display Colors	14-bit LUT, 16,384 shades of gray			In progress : FDA510(k)	
Signals	Input	DVI, DP		Accessories	AC adapter, Power cord, DVI cable, USB cable, Operation Manual, Warranty Certificate, Screen Cleaner	
	Output	N/A				
	USB Hub	USB2.0 upstream x1 / downstream x 2				
Power	Input	DC 12V 12.5A Max.				
	Consumption	88W Max.				



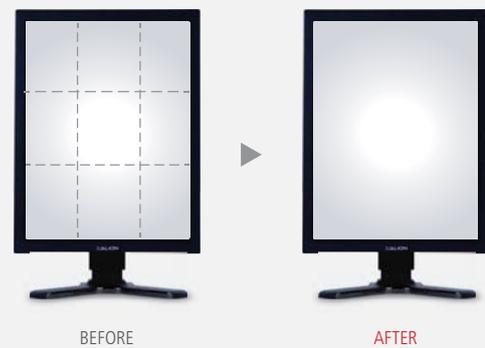
14 BIT 14-bit LUT gray scale (D213*5*-CA Series)

Based on the high-technology 14-bit Look-up Table(LUT), KOSTEC achieved 16,384 shades of grayscale, which is ideal for human eye's recognition at the level of Just Noticeable Difference (JND), enabling accurate image display. The 14-bit LUT is a standard feature of our new diagnostic monitors.



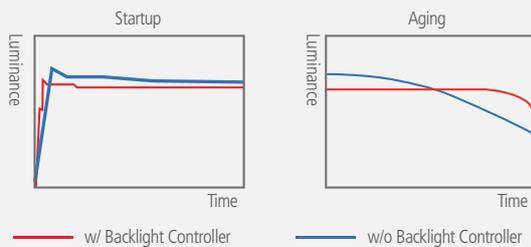
SUC Sub-divisional Uniformity Control (SUC)

KOSTEC SUC technology, sub-dividing the screen into nine or even more sections and gray-scaling in each section, will provide the most reliable backlight uniformity, which is a core technology to achieve image consistency between individual displays.



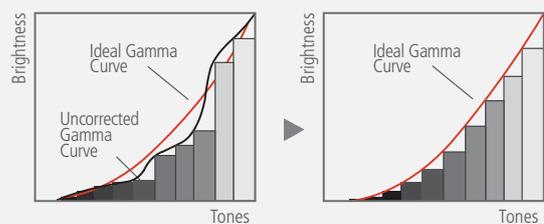
LUMI BLT Brightness Leveling Technology (BLT)

Brightness Leveling Technology(BLT) is another luminance auto-sensing technology, which, installed at the backside of LCD module, maintains the brightness at the previously calibrated maximum luminance level(L'max),consistently providing JND (Just Noticeable Difference) level compliant image quality at each luminance steps and eventually reducing back light warm-up time and extending lifetime of the lamps.



DICOM GADF DICOM GADF

Every DICOM mode incorporated monitors are initialized with the Look-up Table(LUT) that enables ideal DICOM image display through GADF (Grayscale Standard Display Function) conforming to the standard of DICOM Part 14 and AAPM TG18.



GB Wide Range of Graphic Card Compatibility

High-grade self-calibration technology that the calibrated data is saved in the display controller board, not in the graphic board, enables the monitors to go compatible with those general graphic boards on the markets, which is much more advantageous to maintenance and cost-saving. Even at the time of computer or graphic board replacement, the monitor can be used as is without re-calibration.

IQET Image Quality Enhancement Technology (D213*5*-CA Series)

- Horizontal & vertical edge enhancement circuits
- 14-bit color gamma correction
- Brightness & luminance in RGB or YUV, contrast adjustment
- H & V edge enhancement function
- Color management function



Protection Glass

According to user's different reading environments, anti-reflective or anti-glare coating glass is optionally available. Anti-reflective coating glass is more desirably used in a dark environment for better image sharpness. Anti-bacteria film coating is also optionally available.



Backlight Mode Option – Clear Base/ Blue Base

Blue base backlight is optionally available.



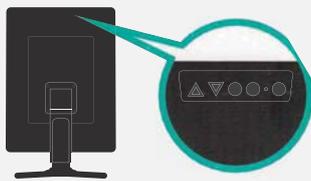
Ergonomic Design

The tilt, swivel, pivot and height adjustable stand offers ideal viewing position and comforts. VESA standard offers various mounting options.



Sensuous & Easy OSD Button

Depending on the application (or site requirement) further Gamma Correction may be required. In this case KOSTEC has accurate DICOM 3.14 compliant devices. Although our unit will maintain calibration, physical verification is periodically recommended.



Auto OSD Rotation

According to the display mode change from landscape to portrait or vice versa, the on-screen display automatically rotates by the function of built-in gravity sensor.



Front Sensor for Smart DICOM GSDF Self-calibration

The built-in front sensor communicating with the software installed in the workstation periodically senses the change of luminance and automatically calibrates the grayscale to its default value on the standard of DICOM Part 14. This smart calibration function always keeps the monitors complying with DICOM standard even without technician's service or assistance.



Network Calibration Management System

This is a web-based DICOM calibration management system designed for needs of cost and time efficient calibration system. With this centralized quality assurance management system, your monitors will be continuously ensured compliant with DICOM standards.



International Standard Conformance

KOSTEC complies with the medical device quality management system ISO13485 and all products comply with international or regional standards such as KC,FCC,CE,VCCI,CCC, FDA510(k).



Warranty

KOSTEC and its authorized distributors offer a five-year or a three-year limited warranty.



Pairing Service

KOSTEC offers a pairing service for uniformity and consistency between the bundled monitors to the dual-head or multi-head users.



Standard Color Temperature

Plus to the color temperature D65 that enables graphic editing and endoscope image display at standard color tone, clear base and blue base mode in compliance with DICOM GSDF part 14 enables CRT users to be immediately adapted to LCD monitors with no rejection symptoms.



Dual Link DVI input

Dual Link DVI input system supports high-definition digital image display.



A variety of I/O Ports & USB

This clinical review monitor is designed to have the most connectivity with analog and digital signals for wide applications. DisplayPort, a digital display interface developed by the Video Electronics Standards Association (VESA). The interface is primarily used to connect a video source to the display to transmit data with true 10-bit image processing.

