

Picture Archiving and Communication System (PACS) viewer

The Starkstrom Picture Archiving and Communication System (PACS) viewer has been specifically designed for the clinical environment. Its design and construction is based upon our extensive experience and knowledge gained from designing, manufacturing and supplying a broad range of products specifically for operating rooms and other high care areas. The PACS viewers are flush mounted, with wipe clean membrane keyboards and trackpads, which minimises the risk of infection and reduces clutter in the operating room.

Benefits

- Improved Infection Control
- Safety – Monitors and PC mounted behind toughened glass
- Increased usable clinical workspace



Monitors

All monitors are professional grade units. The monitors are available in sizes of 24, 27, 30, 40 and 46inch, giving a large range of resolutions, aspect ratios and visible areas to satisfy all clinical workplace requirements.

Configurations

Each variation is available with either front or rear access. Monitors can be oriented in a single or twin screen configuration. Single configurations have landscape oriented monitors, while twin configurations may have portrait or landscape oriented monitors.

Keyboard and Trackpad

PACS viewers can be specified with or without a keyboard and trackpad. If required, the PACS viewer is fitted with an 88 key recessed and angled IP66 keypad with associated trackpad. The keypad is resistant to chemicals and abrasion and is easy to keep clean and free from dirt and infectious material. Where user input is not required, or when the PACS is being used in conjunction with another PACS viewer which does not have a keyboard and trackpad supplied, then the keypad and trackpad is omitted.

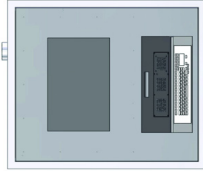
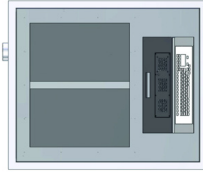
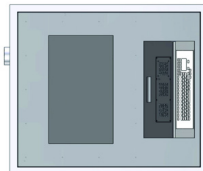
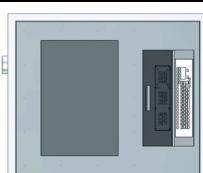
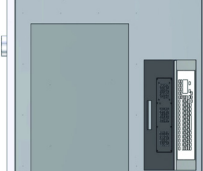



Optional Features

The following features can be added to your chosen PACS viewer during design and manufacture:

- User Access Card Reader
- DVD Writer
- External Communication Ports
- AV integration (subject to configuration).

Technical Specification

	SINGLE 24 inch LANDSCAPE	TWIN 24 inch PORTRAIT	SINGLE 27 inch LANDSCAPE	SINGLE 30 inch LANDSCAPE	SINGLE 40 inch LANDSCAPE	SINGLE 46 inch LANDSCAPE
Dimensions in mm unless stated						
Monitor Make/Model	NEC MD View 243*	2x NEC MD View 243*	NEC MD View 273*	NEC MD302C4*	NEC P403*	NEC P463*
Wall Recess Dims. (hwxwd)	1000 x 900 x 230	1000 x 900 x 230	1000 x 900 x 230	1000 x 900 x 280	1000 x 1200 x 230	1300 x 1200 x 230
Front Dims. (hwxw)	1040 x 940	1040 x 940	1040 x 940	1040 x 940	1040 x 1240	1340 x 1240
Visible Area Dims. (hwxw)	325.5 x 519.5	519.5 x 691.5 (-40.5)	337.5 x 599	401.5 x 642.5	500 x 887	574 x 1020
Resolution @ 60Hz (wxh)	1920 x 1200	2x 1200 x 1920	2560 x 1440	2560 x 1600	1920 x 1080	1920 x 1080
Brightness (cd/m ²)	360	360	300	340	500	500
Contrast Ratio	1000:1	1000:1	1000:1	1000:1	3000:1	3500:1
Aspect Ratio	16:10	10:16 (per screen)	16:9	16:10	16:9	16:9
Response Time (ms)	8	8	7	7	8	8
Pixel Pitch (mm)	0.27	0.27	0.233	0.251	0.461	0.53
Weight (kg)	100	120	105	120	125	170
DICOM Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Panel Access	Front (rear, optional)	Front (rear, optional)	Front (rear, optional)	Front (rear, optional)	Front (rear, optional)	Front (rear, optional)
AV Compatible	Yes	No	Yes	Yes	Yes	Yes
AV Compatible = Suitable for additional remote displays in the clinical field, assuming corresponding video card option is fitted (optional).						
PC SPECIFICATION						
	Standard Specification		Mid range Specification		High Specification	
CPU	Intel Core i3-3220T*		Intel Core i5-3570T*		Intel Core i7-3770T*	
CPU PassMark	3725		5483		8729	
RAM	4GB		4GB		8GB (2 x 4GB)	
All PACS units have the following: 500Gb HDD, 4x Internal USB Ports, 2x Internal Gb Ethernet Ports, 2x Internal RS232 Ports, Windows 7 Pro 64bit						
VIDEO CARD (IF FITTED)						
Single or Twin Screen	Standard On-board (1x DP@4Mp + 1x DVI@2Mp + 1x HDMI@2Mp) 2 of 3 useable					
Twin Screen up to 4Mp	Matrox M9128 dual DP/DVI					
Quad Screen up to 4Mp	Matrox M9148 quad DP/DVI					

* = Equal or better

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