projectiondesign®
HIGH PERFORMANCE PROJECTORS

professional projector series

F2 sx+ medical

- DICOM compliant pre-set calibrations
- up to 2.0Mpix resolution compatible
- high brightness and contrast
- 3:4 portrait and 4:3 standard modes

F2 sx+ medical – affordable medical imaging

The F2 sx+ medical DLP® projector has been designed as a cost effective alternative to our higher performance medical projectors. Specifically made to reproduce medical images such as MR, DR, XRay, it features very accuracy, image quality and reliability. Featuring digitally accurate Texas Instruments® DLP® technology, and with preset DICOM compliant Bluebase, Clearbase and Full White calibrations, in addition to a whole range of other features, it is perfectly suited for the task, and at a surprisingly low cost.

PICTURE BY DLP TEXAS INSTRUMENTS

ProNet COMPATIBLE

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HIGH PERFORMANCE PROJECTORS

professional projector series

DICOM compliant pre-set calibration profiles

- Clearbase, Bluebase and Full White profiles included as standard settings
- RGB levels, and absolute white point adjustability

1.5MegaPixel colour DLP™ projector

- For advanced visualization in medical imaging
- Portrait or wide format viewing modes

High resolution

- SXGA+ resolution (1400 x 1050 pixels – 1.5 Mpix)
- UXGA resolution compatible (1600 x 1200 pixels – 2.0 Mpix)

Digital Accuracy

- High Bandwidth digital interface over DVI
- Highly reliable DMD™ technology

Secure

- Support for HDCP digital content protection
- Low electrical radiation noise, FCC Class B certified

Flexible

- Seamless integration into most PACS systems
- Range of projection lenses to fit most installation requirements

Easy calibration maintenance

- Simple recalibration after lamp replacement using RealColor
- Matched calibration pairs available

technical specifications — F2 sx+ medical

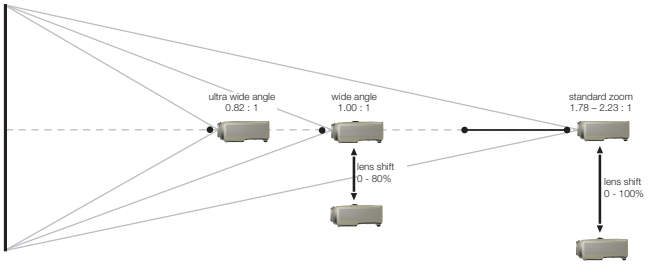
projector	High resolution digital projector	
technology	single chip DLP® technology with DarkChip3™	
optical concept	sealed, all-glass optical design with lens shift	
pixel resolution	1400 x 1050 pixels 1.5 Mpix (native) 1600 x 1200 pixels 2.0 Mpix (compatible)	
colour / gray scale resolution	8 bit per colour, 256 discrete levels	
brightness (ANSI lumens) / contrast (full field)	up to 2400 / 1500 : 1	2800 / 1500 : 1
calibrated to DICOM Clearbase	up to 1700 / 1300 : 1	1950 / 1300 : 1
calibrated to DICOM Bluebase	up to 1100 / 900 : 1	1300 / 900 : 1
pre set calibration profiles	DICOM Clearbase, Bluebase, and Full White	
available adjustments	RealColor colour management individual RGB gain and offset managemet individual colour coordinate adjustment (x, y) independent colour temperature tracking	
inputs terminals	DVI-D (HDCP), VGA (RGBHV), 3x video TCP/IP and RS232 control	
pixel clock (bandwidth)	165 MHz digital, 205 MHz analog	
standard projection modes	portrait (3:4) and wide (4:3)	
standard projection lens	1.78 - 2.23 : 1 throw ratio (distance : width)	
optional projection lenses	0.82 : 1 and 1.00 : 1	
recommended image size	0.85 - 7.3m diagonal	
lamp	220W UHP™ 3000 hours (eco mode), 2250 hours (full power mode)	
operating noise level (typ)	<24 dB (A) at 20°C/ 68°F, sea level	
dimensions (dwh)	234 x 278 x 94 mm (9.2 x 10.9 x 3.7 in.)	
weight	2.9 kg / 6.6 lbs	
timer	built-in real time clock with ten program options	
security	4-digit PIN code protection, Kensington lock system	
supplied accessories	IR remote control, cable kit	
power requirements	90 – 240 VAC, 50/60 Hz, +/- 10%, 350W	
conformances	CE, CSA "C/US", FCC Class B, CCC	
available colour	pearl white	
warranties	2 years parts and labour, 3rd year optional 500 hours or 90 days on lamp, conditions apply	

Screen sizes

viewing size w x h		screen size (diagonal)		distance to screen (in / cm)	
in	cm	in	cm	min	max
48 x 36	122 x 91	60	152	84 / 213	108 / 274
58 x 43	146 x 110	72	183	101 / 256	129 / 329
67 x 50	171 x 128	84	213	118 / 299	151 / 384
74 x 55	187 x 140	92	234	129 / 327	166 / 420
80 x 60	203 x 152	100	254	140 / 356	180 / 457
96 x 72	244 x 183	120	305	168 / 427	216 / 549

+/- 5% accuracy

Optical lens shift

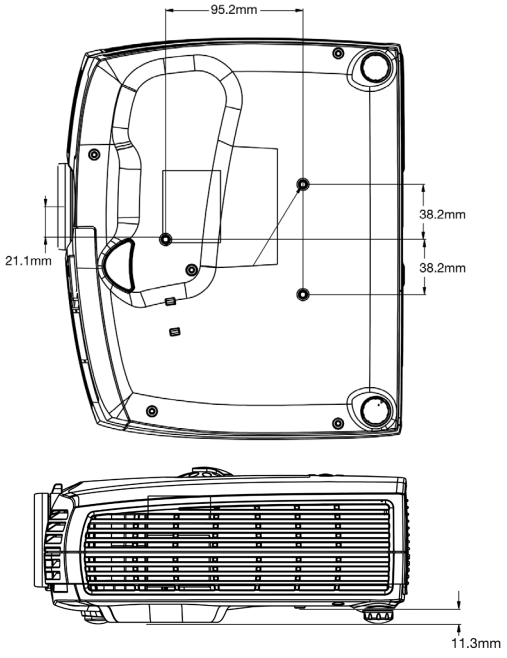


The F20 sx+ medical features a 0 – 100% vertical lens shift. That means more flexibility with installations and no keystone correction needed for a perfectly rectangular image.

Available versions

Projection Lens / Colour Wheel	0.82 : 1 (ultra wide angle)	1.0 : 1 (wide angle)	1.78 - 2.23 : 1 (standard zoom)
Graphics (RGBW)	101-tbd-05	101-tbd-05	101-tbd-05

Standardised bolt-on ceiling mount interface



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