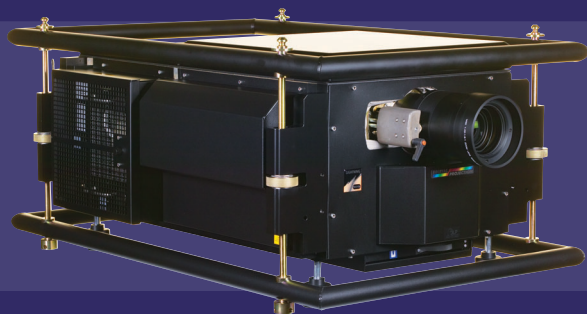




PROJECTOR PERFORMANCE SPECIFICATIONS

Brightness (±10%)
18,000 Center lumens
16,000 ANSI lumens
Further increases targeted

Contrast Ratio (±10%)
1800:1 full-field

Display Type (one per R, G, B)
3 x .95" dark metal HPO DMD™

DMD Specification
1400 x 1050 pixels native, 12° tilt angle

Fill factor
90% pixel fill factor

Lamp Type
Proprietary xenon arc, bubble

Lamp Life¹
750 hours (typical)

Lens Mount
Intelligent, programmable lens functionality
Motorized horizontal and vertical
lens shift, zoom and focus

Operator Touch Screen
With "ShowMode" diagnostics -
provides direct control and feedback
over projector functions

Lens Shift (typical, dependent on lens)
Vertical: ± 0.25-0.5 frame
Horizontal: ± 0.1-0.25 frame

Lens Options
1.46 :1 fixed 3.2-4.4 :1 zoom
1.45-1.9:1 zoom 4.4-6.25:1 zoom
1.83-2.1:1 zoom 6.25-8.7:1 zoom
2.1-2.63:1 zoom 8.0-12.4:1 zoom
2.63-3.2:1 zoom

Mechanical Mounting
Floor or ceiling, integrated handles and
rigging frame with pitch and roll adjustments,
flexible stacking/rigging points

Dimensions (excluding frame)
43.2in(L) x 28.4in(W) x 17.1in(H)
1097mm(L) x 721mm(W) x 434mm(H)

Weight (chassis only)
249lbs (113kg)

MULTI-MEDIA SWITCHER 1000 SPECIFICATIONS

► Input capabilities-see table lower right

Video Processing
10-bit processing from video input to output
DigiScale - accurate image resizing for
faithful reproduction of all displayed sources
DigiView - optimized video processing,
deinterlacing and 3:2 pull-down

Edge Blending
DigiBlend - edge blending for
tiling of multiple projected images

Geometry
DigiWarp (optional) - user definable control
over all image geometry. Horizontal/vertical
and keystone warp correction for both
cylindrical and spherical displays

Interface To Projector Via DigiLink
High-bandwidth digital link extendable
by rugged fibre optic cable providing
optically-isolated interconnection
Offering significant benefit to staging
and installation customers by reducing
cable complexity and signal interference
due to grounding

Control
Front panel LCD, IR/Hardwired remote
control, external control via RS232/422,
USB or LAN

PC Card Slot
Wireless LAN, data download

Dimensions
Five RU 19" rack mountable
17.7in(L) x 19in(W) x 8.7in(H)
450mm(L) x 483mm(W) x 221mm(H)

► Specifications subject to change without notice DP V1.06/04 ©2004 Digital Projection, Inc.
™DLP, Digital Light Processing and DMD are trademarks of Texas Instruments, Inc.

Digital Projection International, Texas Instruments' first DLP™ partner and the original innovator of the 3-chip DLP™ projector, proudly introduces the second product in our third-generation LIGHTNING series — the LIGHTNING 30sx+. Incredibly bright, resolute and high in contrast, the 30sx+ offers a radically new electronics configuration ideally suited for the staging and large-venue permanent installation markets.

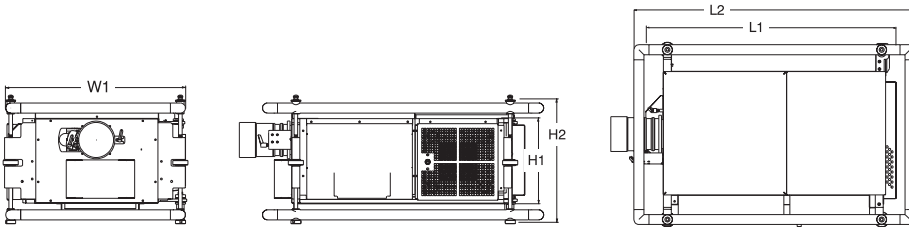
The LIGHTNING 30sx+ harnesses the power of Texas Instruments' new 1400 x 1050 pixel HPO DMD's™. Like its LIGHTNING predecessors, the 30sx+ is destined to be the first choice of professionals who stage prestigious events such as the Grammy® Awards and the Oscars®. With contrast of 1800:1 and awe-inspiring lumen capability, the 30sx+ is unmatched for applications as diverse as world class staged events, commercial entertainment, major outdoor venues, large-scale simulation, gaming and houses of worship.

When paired with the Multi-Media Switcher 1000 (MMS 1000), the new LIGHTNING 30sx+ can support any analog, digital video, HD or computer source. The easy-to-use, rack-mountable system includes DigiLink, a single-wire, ultra-high bandwidth digital output to the projector, dramatically simplifying system wiring and reducing installation costs. Beyond its multi-input capabilities, the MMS 1000 includes soft-edge blend and can also be configured to incorporate advanced options such as seamless cross-fade between sources and user definable geometric warp.

The LIGHTNING 30sx+ and MMS1000 — an ultra-powerful display system for major events and applications — bringing the precision of Digital Projection to every venue.

INPUT CAPABILITIES

Type	Connector	Quantity
Projector input:		
DigiLink-digital RGB dual link	DVI-Dx2	1
MMS 1000 input/output:		
Four available input slots:		
standard modules:		
Composite / component video / S-video input module (mm-video)	BNCx1,BNCx3, 4-pin mini DIN	1 each
RGB HV / component input module (MM-RGB)	BNCx5	1
optional modules:		
DVI-D input module (MM-DVI)	DVI-D	1
SD-SDI / HD-SDI input module (MM-SDI)	BNCx2	1
Output:		
DigiLink	DVI-D	1



Projector dimensions (in)
W1 28.4 H1 17.1 L1 43.2

Frame dimensions (in)
W1 28.4 H2 18.7 L2 43.4

Projector dimensions (mm)
W1 721 H1 434 L1 1097

Frame dimensions (mm)
W1 721 H2 475 L2 1103



Lightning 30sx+ back panel

ADVANCED TECHNICAL SPECIFICATIONS

PARAMETER	 	
Color Temperature	3000-9300°K	NA
HDTV Formats Supported	1080i/24p, 720p, 480p and other current and emerging formats	
Scan Rates Supported	Horizontal: 15kHz to 105kHz / Vertical: 24Hz to 110Hz	
Remote Control	Addressable infra-red remote control	
Automation Control	RS232, USB, LAN via Multi-Media Switcher 1000	
Operating/Storage Temperature	Operating: 10 to 35°C / Storage: -10 to 50°C	Operating: 10 to 35°C / Storage: -20 to 60°C
Operating Humidity	up to 80% non-condensing	
Thermal Dissipation	13640 BTU	1023 BTU maximum
Fan Noise	Less than 59dBA	NA
Power Requirements	208-264 VAC, 50/60Hz single phase	100-240 VAC, 50/60Hz single phase
Power Consumption	4000 watts	300 watts maximum

PROJECTOR	PART NO.	LENSES	PART NO.	OPTIONAL SYSTEM COMPONENTS	PART NO.
	?	1.46 :1 fixed	103-350	Replacement Lamp	LM00519
		1.45-1.9:1 zoom	TBA	MMS 1000	001-724
		1.83-2.1:1 zoom	103-351	Input cards:	
		2.1-2.63:1 zoom	102-451	- Composite / component /	001-726
		2.63-3.2:1 zoom	102-676	- S-Video input module (MM-Video)	
		3.2-4.4 :1 zoom	102-677	- RGB HV / component input module (MM-RGB)	001-722
		4.4-6.25:1 zoom	102-678	- DVI-D input module (MM-DVI)	001-721
		6.25-8.7:1 zoom	TBA	- SD-SDI / HD-SDI input module (MM-SDI)	001-720
		8.0-12.4:1 zoom	103-352	Processing options:	
				- Seamless switching / crossfade: ²	001-729
				• Scaler	001-730
				• Image processor	001-727
				- Geometry / Warp ³	001-727
				- Wireless LAN card	001-723



MMS 1000

1 See Digital Projection's Product Warranty Statement for details on lamp warranty
2 Seamless switching requires the addition of two cards (image processor / scaler) which must be factory installed
3 Geometry / warp is available only as a factory installed option