

## Digital Cinema 3D Matrix

	Dolby	Dual 3D	MasterImage MI-2100	RealD Z-Screen	RealD XL	Sony	XpanD
3D System Hardware Description	180 degree color wheel	Dual static circular polarizer	Rotational time division polarizer	Time division multiplexing polarizer	Dual opposing time division multiplexing polarizer (aka light doubler)	Dual 2k image planes in an over/under fashion on a 4k chip	IR sync emitter / controller (active)
Efficiency (approx)	11%	70%	16%	15%	28%	30%	17%
Lamp power delta 2D vs. 3D	55%	0%	48%	50%	10%	10%	45%
Ghost Busted Package				•	•	•	
Requires licensing (annual cost)*				•	•	•	
3D System Installation Time	3 hours	5 hours	2 hours	2 hours	3 hours	2 hours	1 hour

\* – 3D systems provider business plans may vary from client to client and region to region

## Projectors:

	Dolby	Dual 3D	MasterImage MI-2100	RealD Z-Screen	RealD XL	Sony	XpanD
Christie CP2000-M		•	•	•	•		•
Christie CP2000-SB	•	•	•	•	•		•
Christie CP2000-XB	•	•	•	•	•		•
Christie CP2000-ZX	•	•	•	•	•		•

## Digital Cinema Playback Servers:

	Dolby	Dual 3D	MasterImage MI-2100	RealD Z-Screen	RealD XL	Sony	XpanD
Dolby player	•	•	•	•	•		•
Doremi player	•	•	•	•	•		•
GDC player		•	•	•	•		•
Kodak player			•	•	•		•
Qube player		Unknown	•	•	•		•
Sony (not triple flash capable)						•	

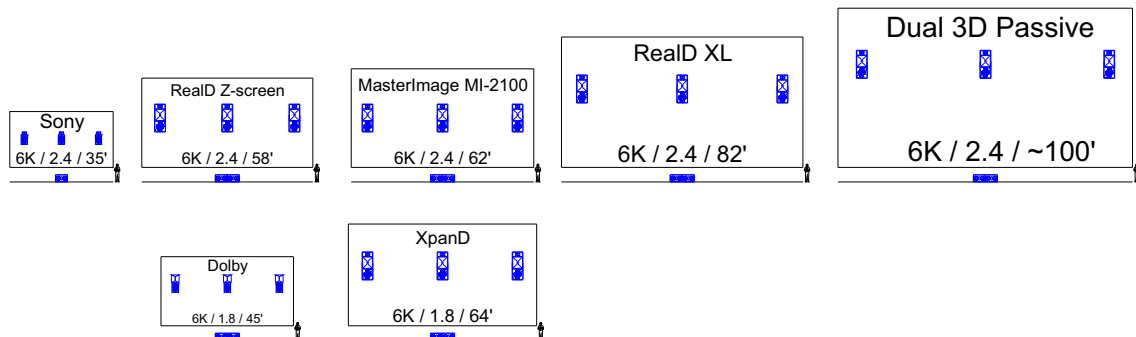
## Eyewear:

	Dolby	Dual 3D	MasterImage MI-2100	RealD Z-Screen	RealD XL	Sony	XpanD
Eyewear technology	Passive Spectral Division	Passive Polarization	Passive Polarization	Passive Polarization	Passive Polarization	Passive Polarization	Active (shutter)
Eyewear type	reusable dichroic	disposable plastic	disposable plastic	disposable plastic	disposable plastic	disposable plastic	reusable active LCD shutter
Eyewear cost	~\$27.00 US	~\$1.00 US	~\$1.00 US	~\$1.00 US	~\$1.00 US	~\$1.00 US	~\$50.00 US
Eyewear lifetime	500 hours (wash fatigue)	1 / show	1 / show	1 / show	1 / show	1 / show	3,000 hours (wash fatigue)
Eyewear active - replaceable batteries							•
Eyewear recyclable/reusable*	•			•	•	•	•

\* – The recyclability/reusability represents known, established programs

## Screens:

	Dolby	Dual 3D	MasterImage MI-2100	RealD Z-Screen	RealD XL	Sony	XpanD
Screen type (silver or high gain)	any	Silver	Silver	Silver	Silver	Silver	any
Most common screen manufacturers	MDI/Harkness/Hurley	MDI/Harkness	MDI/Harkness	MDI/Harkness	MDI/Harkness	MDI/Harkness	MDI/Harkness/Hurley
Screen costs per square foot	\$3.50-\$4.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$3.50-\$4.00
Maximum nominal screen size (feet) (silver screen gain 2.4)		~100	62	58	82	35	
Maximum nominal screen size (feet) (matte 1.8)	45						64



Lamp / Screen Gain / Max Nominal Screen Size