



LUXBEAM® RAPID SYSTEM – PROFESSIONAL LINE

POWERFUL AND ROBUST AM SUBSYSTEMS WITH MULTIPLE CONFIGURATION OPTIONS

Power and resolution for static 3D printing

The LRS-Professional Line gives you the ultimate DLP®-based stereolithography subsystems for professional 3D printing and additive manufacturing systems. Resolution and power from the LRS-WQ Plus Series pair with 24/7 operation robustness and configuration options that meet all your professional additive manufacturing needs.

VISITECH
creating images – together

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Properties	LRS-WQ Plus
DMD Type	DLP9000 0,9" WQXGA
Resolution	WQXGA 2560 x 1600 px
Operation Mode	Native pixel mode
Projector Output Power	Up to 12W (460/405 nm), 10W (385 nm), 8W (365 nm)
LED Options	460 nm / 405 nm / 385 nm / 365 nm
LED Driver	Bifrost S
	Constant flux with Optical Feedback
Power Uniformity	> 99% after software correction
Contrast Ratio	Up to 1000:1
Dimensions w/o lens	215 mm (H) x 105 mm (W) x 188 mm (L)
Total weight	4 kg (w/o lens and PSU)
Power consumption	Max 300W
Cooling system	Liquid Cooling (Air Cooling on request)
Software	LAMA Standard (included)

Electrical connections	Signal
Power supply	48 V DC
Image Data	Single Image Pattern Upload with LAMA
Communication	Ethernet (platform independent web interface)
UV / IR Safety	LED Safety Switch (enable/disable)
Frame Sync	External frame synchronization

Lens Options	LRS-WQ Plus			
	Pixel Pitch in Image [µm]	Native Image Size W x H [mm ²]	Working Distance [mm]	Mounting Distance [mm]
PL LRS 0.3 HC 405nm	1.9	4.9 x 3.0	16	268
PL LRS 0.5 HC	3.8	9.7 x 6.0	50	269
PL LRS 1.0 HC	7.6	19.5 x 12.1	71	269
PL LRS 2.0 HC	15.1	38.7 x 24.2	90	269
PL LRS 3.6	28.0	71.7 x 44.8	148	237
PL LRS 4.6	35.0	89.6 x 56.0	178	281
PL LRS 8.3	63.0	161.3 x 100.8	375	469
PL LRS 9.9	75.0	192.0 x 120.0	493	564
PL LRS 11.7	90.0	230.4 x 144.0	575	668
PL LRS 17.2	130.0	332.8 x 208.0	884	976
PL LRS 5.3 VIS	40.0	102.4 x 64.0	161	376

All specifications and features subject to change