

DLP 投影仪			
DLP7000 微镜阵列		1.024 x 768 mirrors	
最大刷新速率		22.727 fps (full array)	
传感器芯片			
Sony Pregius IMX-174		1.920 x 1.200 pixels	
最大图像存储		1.592 full resolution, 10 bit images	
帧率 (selected regions of interest - ROI)			
Image sensor lines (ROI)	DLS Frame Rate	图像传感器 bit depth	投影仪 bit depth
1.200	166 fps	10 bit	8 bit
675	289 fps	10 bit	8 bit
374	500 fps	10 bit	7 bit
237	750 fps	10 bit	6 bit
168	1.000 fps	10 bit	6 bit
70	1.900 fps	10 bit	5 bit
3	5.000 fps	10 bit	3 bit
DLS-1 module configuration			
组成		1 x DLP7000, 1 x Sony IMX174	
基线长度 (stereo base)		410 mm	
镜头焦距		16 mm	
工作距离		1.300 - 3.000 mm	
Throw ratio (工作距离 / 视野)		1.8	
DLS-2 module configuration (preliminary)			
组成		1 x DLP7000, 2 x Sony IMX174	
基线 (stereo base)		180 mm	
镜头焦距		16 mm	
工作距离		600 mm (optional 1.000 mm)	

Throw ratio (工作距离 / 视野)	1.8
<b>光源选择</b>	
蓝色 LED	460 nm
近红外 LED	730 nm, 850 nm
白色 LED	
<b>供电</b>	
电源	19 VDC, 150 W
PC 连接	USB-3.2 Gen 1 x 1 (Type-A)
同步	2 sync ports (supported with zSn. dll)
<b>环境</b>	
操作温度	10 ° C to 40 ° C, non-condensing
存储温度	-10 ° C to 50 ° C, non-condensing
<b>软件: DLS-1.0 API</b>	
特点	2D 图像记录 3D 数据记录 HDR 模式 多设备同步 (x, y, z) 加上黑白纹理输出 基于编码标记的空间数据配准 可投影客户自定义图像
可调参数	LED 亮度 曝光时间 传感器增益 传感器像素合并 感兴趣的区域
操作系统	MS Windows 10
API 库	32- and 64-bit native DLL
S 代码语言	C# program

**Software:** zSnapper® SDK (zSn. dll)

Optional Extension for 3D measurement, see [zSnapper® modules](#)

## Features

2D image recording (snapshot or stream)

3D data recording (snapshot or stream)

Multi exposure 3D recording (HDR)

Multiple device synchronization

Calibrated (x, y, z) plus b/w texture output

Spatial data registration based on coded marks

Projection of user defined images in idle mode