

Overview DLP® Projection Modules

Projection Modules	STAR-07 2.0 				STAR 3.0 EVM 				STAR-07 3.0 			
Options	UV	VIS	RGB	XR	UV	VIS	XR	NIR	UV	VIS	RGB	XR
Optics	S2+ UV	S2+	S2+	S2+ XR	S2+ UV	S2+	S2+ XR	S2+ IR	S2+ UV	S2+	S2+	S2+ XR
Wavelength Range	350 - 500	420 - 680	420 - 680	460 - 850	350 - 500	420 - 680	460 - 850	650 - 1064	350 - 500	420 - 680	420 - 680	460 - 850
Throw Ratio		1.8 - 2.1				1.8 - 2.1				1.8 - 2.1		
Working Distance		0.4 - 10 m				0.4 - 10 m				0.4 - 10 m		
Offset		125 %				125 %				125 %		
Homogeneity (IEC)		+25 % / -30 %				+25 % / -30 %				+25 % / -30 %		
Distortion		< 0.2 %				< 0.2 %				< 0.2 %		
DMD	DLP7000UV	DLP7000	DLP7000	DLP7000	DLP7000UV	DLP7000 DLP6500	DLP650L		DLP7000UV	DLP7000	DLP7000	DLP7000
Micromirrors		1024 x 768			1024 x 768	1024 x 768 1920 x 1080	1280 x 800			1024 x 768		
Pitch		13.7 μm			13.7 μm	13.7 μm 7.6 μm	10.8 μm			13.7 μm		
DLP Area		14.0 x 10.5 mm ²			4.0 x 10.5 mm	14.0 x 10.5 mm ² 14.5 x 8.2 mm ²	13.8 x 8.6 mm ²			14.0 x 10.5 mm ²		
Switching Rate (Max.)		22727 Hz			22727 Hz	22727 Hz 10309 Hz	10752 Hz			22727 Hz		
PC Transfer Rate		800 fps			4000 fps	4000 fps 1600 fps	3000 fps			4000 fps		
High-power LED	1x	1x	3x	1x	1x	1x	1x	1x	1x	1x	3x	1x
Digital LED driver for 24 A	x	x	x	x	x	x	x	x	x	x	x	x
Dichroic coupling for 3x LED			x								x	
Interface		USB 2.0					USB 3.0				USB 3.0	
Camera-extendion											2x	
Cooling		active					active				active	
Closed Housing		x									x	
Wide Angle (Option)		x	x			x				x	x	