

# 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 <sup>2</sup>				4.0 x 10.5 mm	14.0 x 10.5 mm <sup>2</sup>	14.5 x 8.2 mm <sup>2</sup>	13.8 x 8.6 mm <sup>2</sup>	14.0 x 10.5 mm <sup>2</sup>			
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			
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	

Rev.-Nr.: P-23-03-175

