

STAR-07 2.0 - Technical specifications

Options: **UV** **VIS** **XR** **RGB**





LED options

	RED	GREEN	BLUE	UV	WHITE
Peak wavelength	619 nm	524 nm	to be determined	405 nm	-
Spectral bandwidth FWHM	19 nm	34 nm	to be determined	20 nm	-
STAR-07 2.0 output*	1450 mW	1550 mW	to be determined	2150 mW	1100 lm

* Typical value for continuous projection, pulse operation may yield higher output.

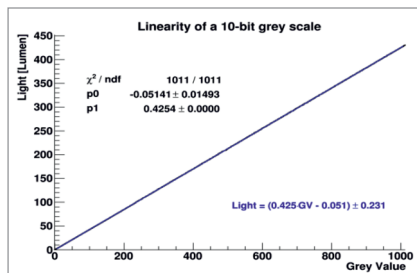
Lens options

	Mass M	Distortion	Working distance D Throw ratio TR	Uniformity (IEC) Contrast FOFO	MTF
Standard lens 	M = 123 g	0.2 %	D > 0.4 m - 10 m TR= 1.8	+25 % / -30 % 2000:1	45 % @36 lp/mm
Wide angle lens 	M = 580 g	5.5 %	D > 0.5 m - 2 m TR= 0.9	+26 % / -23 % @D = 1 m 2000:1	30 % @36 lp/mm @462 nm

Frame rates

DMD array (AOI)	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 512
Bit depth	8-bit	7-bit	6-bit	5-bit	1-bit	1-bit
Frame rate	290 fps	569 fps	1091 fps	2016 fps	22727 fps	30300 fps

Greyscale linearity



ALP-4 supports precise bit-plane timing enabling outstanding greyscale linearity in connection with synchronized camera recording.

Grey value deviations are < 0.06 % of the full-scale value.

General

Mass (without lens)	Input power	Operating temperature	Storage temperature	Regulations	LED lifetime
2000 g	DC 12-24 V 150 W	10 °C to 40 °C non-condensing	-10 °C to 50 °C non-condensing	CE FCC Class A	> 10000 h (ON time)

Dimensions [mm]

Standard lens	Wide angle lens

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