

CLS Series Cameras

Specifications



We Make Your Complex Application Simple

CLS Series monochrome and UV-sensitive cameras

CLS Series camera specifications are listed in the following table. Performance are understood in standard 25 degC temperature conditions.

MODEL (CLS....)	1024	2048	5000	7500	2048-UHS	1024-UV	2048-UV
Resolution (pixel)	1024	2048	5000	7500	2048	1024	2048
Pixel size (µm, square)	14	14	14	7	14	14	14
Pixel clock (MHz)	40	40	40	40	20	40	40
Max line rate (kHz)	35.7	18.8	7.6	5.1	9.2	35.7	18.8
Shutter	yes	yes	yes	yes	yes	yes	yes
Spectral range (nm)	350-1000	350-1000	350-1000	350-1000	350-1000	200-1000	200-1000
Output	Base Camera Link®						
Data format	8, 16 bit / 12-bit (-UV models)						
Gain range	Coarse gain x1 to x6 / Fine gain x1 to x2						
Sensitivity (lsb/lx.sec)	450,000	450,000	300,000	500,000	2,030,000	450,000	450,000
Dynamic range	2300	2200	2000	1350	1250	2300	2200
RMS noise (lsb)	35	35	40	49	52	35	35
Size (W x H x L, mm)	80.5 x 60.5 x 52.2 / 80.5 x 80.5 x 57.2 (7500 model)						
Mass (g)	320 typical / 80.5, 80.5, 57.2 (7500 model)						
Lens mount	F Nikon (option) / M72 (7500 model)						
Connectivity	MiniCL (SDR 3M) / Binder serie 712						
Power supply	DC 12V						
Power dissipation	max 6W						
Peak current	up to 11A						
Operating temp. (°C)	0 to +50 Ambient						
Storage temp. (°C)	-20 to +80						
Compliance	CE marked						
Advanced features	User selectable and adjustable real-time signal filtering.						

All CLS Series cameras come standard with a 24-month warranty and the new **LORDsetting** user-friendly Windows setup tool that makes camera integration real easy.