

# Digital line scan cameras DVL / DVLC serie

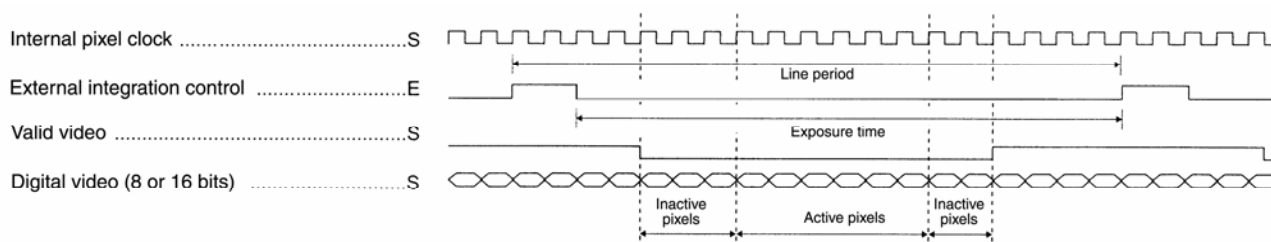


## Optoelectronic characteristics

Number of pixels	pixels	3 x 2098
Size of pixels	µm x µm	14 x 14
Photo-sensitive area	mm x µm	3 x (29,372 x 14) - (pitch : 112)
Sensitivity	Typical sensitivity at unity gain (lsb/lux.s)	nd
Typical non-uniformity	% (without filtering)	± 2,5
Maximum non-uniformity	% (without filtering)	± 5
Pixel frequency	MHz	3 x 20 = 60
Maximum line frequency	kHz	9,26 at 60 MHz 3,09 at 20 MHz
Electronic shutter		yes
Antiblooming		no
RMS noise	lsb (16 bits)	13 à 60 MHz 11 à 20 MHz
Rise time	pixels	
Output video formats		16 bits RS422 8 bits RS422 (RS422 available at 20 MHz only) 16 bits LVDS (RS644) camera link
Lens mounts		F-Nikon 24x36 M42 with screws Leica 39 with screws
Power supply	v	from 10 to 24
Power	w	
Fixing		4 possible mounting surfaces with 4 x M4 screws
Positioning		mechanical positioning by centring studs and reference surface.
Storage temperature	°c	- 20°c / + 80°c
Operating temperature	°c	0°c / + 50°c
Weight	g	780
Gain		programming via RS232 serial line, from 1 to 12
Offset		programming via RS232 serial line
Filtering		programming via RS232 serial line

D  
V  
L  
C  
2  
0  
9  
8  
K

## Signals

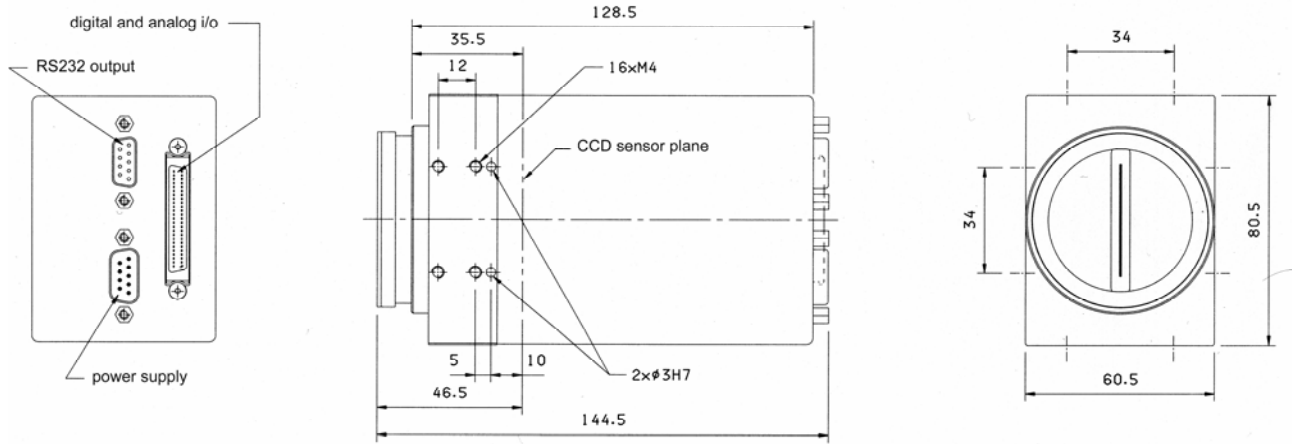


For cameras without electronic shutter, exposure time is equal to line period.

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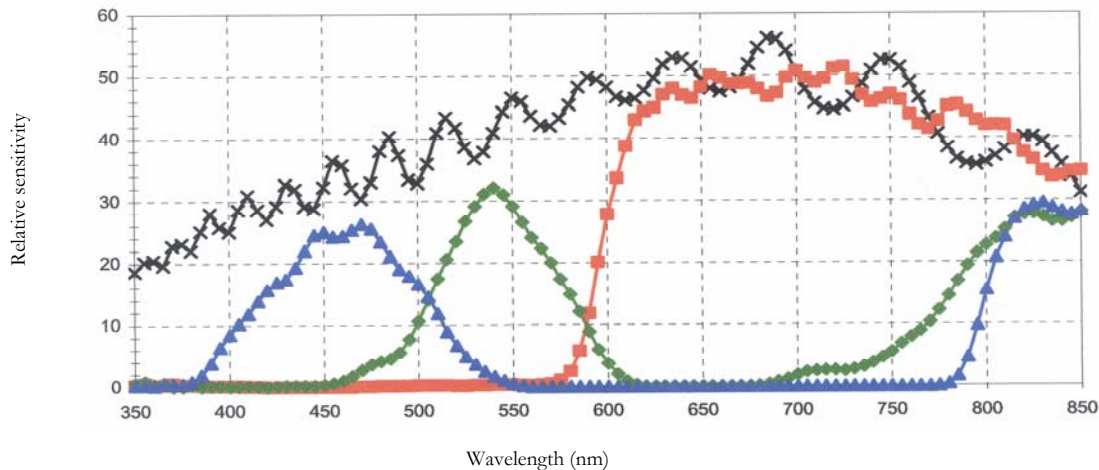
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## Mechanical characteristics (in millimeters)



Dimensions of cameras with F-Nikon mount.

## Spectral sensitivity characteristics



## Ordering References

DVLC2098K/S0/MF	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 8 bits, RS422, and F-Nikon mount
DVLC2098K/S0/M39	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 8 bits, RS422, and Leica 39 mount
DVLC2098K/S0/M42	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 8 bits, RS422, and 42 mount with screws
DVLC2098K/S0/PM	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 8 bits, RS422, and without mount
DVLC2098K/S1/MF	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 16 bits, RS422, and F-Nikon mount
DVLC2098K/S1/M39	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 16 bits, RS422, and Leica 39 mount
DVLC2098K/S1/M42	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 16 bits, RS422, and 42 mount with screws
DVLC2098K/S1/PM	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 6,66 MHz, 16 bits, RS422, and without mount
DVLC2098K/S2/MF	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, LVDS output, and F-Nikon mount
DVLC2098K/S2/M39	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, LVDS output, and Leica 39 mount
DVLC2098K/S2/M42	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, LVDS output, and 42 mount with screws
DVLC2098K/S2/PM	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, LVDS output, and without mount
DVLC2098K/S3/MF	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, Camera Link output, and F-Nikon mount
DVLC2098K/S3/M39	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, Camera Link output, and Leica 39 mount
DVLC2098K/S3/M42	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, Camera Link output, and 42 mount with screws
DVLC2098K/S3/PM	Digital colour line scan camera 3 x 2098 pixels, with electronic shutter, 3 x 20 MHz, Camera Link output, and without mount

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