

# HD CMOS Color Camera

By adapting the BSI technology CMOS sensor to the camera a high-sensitive image with 60 fps can be achieved through the DVI output. These new cameras will provide "High Definition" resolution with outstanding image quality.



	<b>CSDS60CM3</b>	<b>CSDW2M60CM28</b>
Image sensor	CMOS image sensor	
Effective pixel	1329 (H) x 1049 (V)	2144 (H) x 1588 (V)
Video output pixel	1280 (H) x 1024 (V)	1920 (H) x 1080 (V)
Unit cell size	3.63 x 3.63 $\mu$ m	2.5 x 2.5 $\mu$ m
Image size	1/3"	1/2.8"
Filter array	Primary color Bayer	
Scan system	Progressive	
Aspect ratio	5:4 or 16:9	16:9
Sync system	Internal	
Standard sensitivity	1500[lx], F8, 5000 [K]	TBD
Minimum sensitivity	4 [lx], F1.4(gain:MAX, Gamma:ON, video level: 50%)	TBD
Video output	DVI-D	
Data format	RGB/RGB 8 bit each	
Data clock	108.000 MHz	148.5 MHz
Image size	1028 (H) x 1024 (V) / 1280 (H) x 720 (V)	1920 (H) x 1080 (V)
Frame rate	approx. 60 fps	
Power supply	12 V DC +/-10%	
Power consumption	approx. 1.7 W	
Shutter	Rolling Shutter	
Exposure	Manual or Auto (Switchable)	
External dimension	44 (W) x 29 (H) x 78 (D) mm	
Lens mount	C-mount	

Design and technical data may be changed without notice. Factual and printing errors can not be excluded.

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