

DC lenses with fixed focal distance and CS mount

Art. no. 11722 / VC-DC28-14CS 2,8mm / F1,4 Art. no. 11725 / VC-DC80-12CS 8,0mm / F1,2
 Art. no. 11723 / VC-DC40-12CS 4,0mm / F1,2 Art. no. 11726 / VC-DC12-14CS 12,0mm / F1,4
 Art. no. 11724 / VC-DC60-12CS 6,0mm / F1,2 Art. no. 11727 / VC-DC16-14CS 16,0mm / F1,4

Technical datas

Art. no.	11722	11723	11724	11725	11726	11727
Dimensions (Ø x L)	37 x 35mm	37 x 32mm	37 x 30mm	37 x 31mm	37 x 33mm	37 x 31mm
Weight	60g	50g	48g	52g	52g	45g



VDE CE EMC

**VC-Products
mean
high quality
and
reliability
with
German
engineering
and
design**

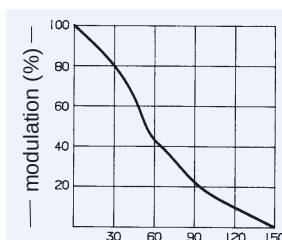
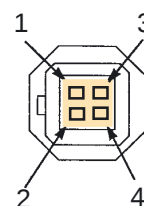
Mutal technical datas

Qualified for all b/w and color cameras with DC lens regulation

Image format	4,8 x 3,6 mm (1/3")
Modulation depth	>90%
Spectral wave length	400 - 1200 nm
Aperture	98%
Sharpness on edge	Above 80%
Brightness on edge	Above 60%
Focal range	Manual 0,2m - ∞
Environmental temperature	-10° - +50°C
Lens mount	CS-Mount
Lens coating	Yes (IR corrected)
Back focal length	12,5mm
Electrical safety	60065 + 60950
MTBF	80.000 hours
EMC	EN 50081+82, CE certification
Voltage	DC 8-16V
Currency	35 mA
Reaction speed	About 2 sec.
Connections	Lens connection
Input signal	DC voltage
Adjustments	At camera
Coil	232 Ohm
Control	730 Ohm

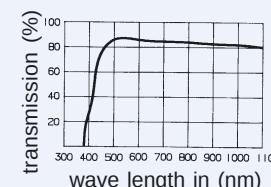
Connections to camera

DC	1	Control -
	2	Control +
	3	Drive +
	4	Drive -



Spatial frequency in double lines per mm (l/mm)

The modulation transmission function (MTF) of the manual lenses offers a modulation depth of 80% at 60 TVL/mm or 40% at 120TVL/mm.



The high spectral transmission by low dispersion of the used glass elements are the basic reason for the IR corrected performance of these lenses.

Advantages of using DC lenses in conjunction with auto shutter function of connected camera:

1. Sharp picture even at fast moving objects
2. Highest possible modulation depth by automatic closing of iris under bright light conditions
3. Wide range of individual adjustment at sight to the specific light conditions by mixing DC-function with backlight compensation and auto shutter

focal length	angle	Distance between camera and subject									
		1m	2m	3m	4m	5m	10m	30m	50m	80m	100m
		wideness of picture view according to the lens angle (m)									
2,8mm	80°	1,5	3	4,5	6	7,5	15	45	75	120	150
4,0mm	62°	1,1	2,2	3,3	4,4	5,5	11	33	55	88	110
6,0mm	43°	0,7	1,4	2,1	2,8	3,5	7	21	35	56	70
8,0mm	34°	0,6	1,1	1,7	2,2	2,8	5,5	17	28	44	55
12,0mm	22°	0,4	0,7	1,1	1,4	1,8	3,6	11	18	29	36
16,0mm	17°	0,3	0,5	0,8	1,1	1,4	2,7	8	14	22	27

2,5 m is the maximum wideness in order to recognize a strange face

4,5 m is the maximum wideness in order to recognize a car plate

25 m is the maximum wideness in order to recognize subjects at least 1m wide