



- Optimum use with day/night cameras
- Considerable reduction in the focus shift with IR lighting
- Large range of focal lengths thanks to varifocal lenses
- Models for 1/3" and 1/2" cameras
- High light transmission up to F 1.0
- All models with manual or automatic iris (video-controlled or DC)

## High picture quality by day and at night

The IR-compatible varifocal lenses were specially developed for use both in daylight and IR conditions.

All lenses have a considerably reduced focus shift compared with standard lenses. The change in the focal point at different wavelengths is therefore largely avoided. The problem of fuzzy or blurred images in infrared light is therefore solved for most applications.

The IR lenses are compatible with all common day/night cameras. It is recommended to use the 1/3" models with the optimally matched day/night cameras from CBC, e.g. the **GANZ ZC-NH403**.

The 1/2" lenses must only be used in conjunction with 1/2" cameras in day/night applications with IR lighting.

## Focus shift compensation

One special feature of the day/night lenses from Computar is the 3-fold varifocal lens **T3Z3510IR**.

The glass of this IR-corrected lens is made of special material which is produced in an extremely sophisticated process to offset the wavelength differences which cause focus shift. The focus shift is compensated in full. This results in a perfect visual image both in daylight and at night. The lens has a focal length range of 3.5 to 10.5 mm and an extraordinary light sensitivity of F 1.0.

Maximum performance with the light sensitivity factor is also reflected in the new half-inch **H3Z1014** with its so-called "Flat F-Stop" of 1.4. The outstanding F-stop figure of 1.4 applies constantly to the entire focal length range of 10 to 30 mm.

Time-consuming focusing to allow for superimposed depth-of-field ranges are now a thing of the past with the IR varifocal lenses from Computar.



## Technical specifications and models

Focal length	Iris	Format	Manual iris	Video-controlled iris	DC iris
3,5 ... 10,5 mm	F 1,0	1/3"	T3Z3510IR	TG3Z3510AIR	TG3Z3510IR
2,8 ... 6,0 mm	F 1,4	1/3"	T2Z2814CS	TG2Z2814AFCS	TG2Z2814FCS
3,5 ... 8,0 mm	F 1,4	1/3"	T2Z3514CS	TG2Z3514AFCS	TG2Z3514FCS
4,5 ... 10,0 mm	F 1,6	1/2"	H2Z4516CS	HG2Z4516AFCS	HG2Z4516FCS
4,5 ... 12,5 mm	F 1,2	1/2"	H3Z4512CS	HG3Z4512AFCS	HG3Z4512FCS
10,0 ... 30,0 mm	F 1,4	1/2"	H3Z1014CS	HG3Z1014AFCS	HG3Z1014FCS



### Order numbers

T2Z2814CS	IR-compatible, 2.8 ... 6.0 mm, manual iris 1.4 ... 16C, 1/3" CS
TG2Z2814AFCS	IR-compatible, 2.8 ... 6.0 mm, video-controlled iris 1.4 ... 360C, 1/3" CS
TG2Z2814FCS	IR-compatible, 2.8 ... 6.0 mm, DC iris 1.4 ... 360C, 1/3" CS
T2Z3514CS	IR-compatible, 3.5 ... 8.0 mm, manual iris 1.4 ... 16C, 1/3" CS
TG2Z3514AFCS	IR-compatible, 3.5 ... 8.0 mm, video-controlled iris 1.4 ... 360C, 1/3" CS
TG2Z3514FCS	IR-compatible, 3.5 ... 8.0 mm, DC iris 1.4 ... 360C, 1/3" CS
T3Z3510CS	IR-compatible, 3.5 ... 10.5 mm, manual iris 1.0 ... 16C, 1/3" CS
TG3Z3510AFCS	IR-compatible, 3.5 ... 10.5 mm, video-controlled iris 1.0 ... 360C, 1/3" CS
TG3Z3510FCS	IR-compatible, 3.5 ... 10.5 mm, DC iris 1.0 ... 360C, 1/3" CS
T3Z3510IR	IR-corrected and focus-shift-compensated, 3.5 ... 10.5 mm, manual iris 1.0 ... 16C, 1/3" CS
TG3Z3510AIR	IR-corrected and focus-shift-compensated, 3.5 ... 10.5 mm, video-controlled iris 1.0 ... 360, 1/3" CS
TG3Z3510IR	IR-corrected and focus-shift-compensated, 3.5 ... 10.5 mm, DC iris 1.0 ... 360, 1/3" CS
H2Z4516CS	IR-compatible, 4.5 ... 10.0 mm, manual iris 1.6 ... 16C, 1/2" CS
HG2Z4516AFCS	IR-compatible, 4.5 ... 10.0 mm, video-controlled iris 1.6 ... 360C, 1/2" CS
HG2Z4516FCS	IR-compatible, 4.5 ... 10.0 mm, DC iris 1.6 ... 360C, 1/2" CS
H3Z4512CS	IR-compatible, 4.5 ... 12.5 mm, manual iris 1.2 ... 16C, 1/2" CS
HG3Z4512AFCS	IR-compatible, 4.5 ... 12.5 mm, video-controlled iris 1.2 ... 360, 1/2" CS
HG3Z4512FCS	IR-compatible, 4.5 ... 12.5 mm, DC iris 1.2 ... 360, 1/2" CS
H3Z1014CS	IR-compatible, 10.0 ... 30.0 mm, manual iris 1.4 ... 16C, 1/2" CS
HG3Z1014AFCS	IR-compatible, 10.0 ... 30.0 mm, video-controlled iris 1.4 ... 360C, 1/2" CS
HG3Z1014FCS	IR-compatible, 10.0 ... 30.0 mm, DC iris 1.4 ... 360C, 1/2" CS