



GLANZ

Professional CCTV Lenses

Mono-focal Manual Lens

Made in Japan

ModelNo.	Focal Length Aperture	Mount	Image Format	Angle of View (HxV)	Minimum Object Distance	Mechanical Dimension (DxLmm)	Weight	Remarks
GTF2512WO	2.5mm F1.2 Fixed	CS	1/3" & 1/4"	1/3": 108.6x80.8	0.3m	48.0x42.5	74.5g	Without Iris
				1/4": 92.8x68.3				
GTF4012WO	4mm F1.2 Fixed	CS	1/3" & 1/4"	1/3": 65.4x49.7	0.3m	30.0x42.0	49.5g	Without Iris
				1/4": 52.4x40.2				
GTF6012WO	6mm F1.2 Fixed	CS	1/3" & 1/4"	1/3": 46.1x34.5	0.3m	30.0x35.5	45.0g	Without Iris
				1/4": 35.4x26.9				
GTF8012WO	8mm F1.2 Fixed	CS	1/3" & 1/4"	1/3": 35.1x26.1	0.3m	30.0x35.5	42.0g	Without Iris
				1/4": 22.1x19.9				
GTF2512WI	2.5mm F1.2-C	CS	1/3" & 1/4"	1/3": 108.6x80.8	0.3m	48.0x42.5	71.5g	Manual Iris
				1/4": 92.8x68.3				
GTF4012WI	4mm F1.2-C	CS	1/3" & 1/4"	1/3": 65.4x49.7	0.3m	30.0x42.0	50.5g	Manual Iris
				1/4": 52.4x40.2				
GTF6012WI	6mm F1.2-C	CS	1/3" & 1/4"	1/3": 46.1x34.5	0.3m	30.0x35.5	42.5g	Manual Iris
				1/4": 35.4x26.9				
GTF8012WI	8mm F1.2-C	CS	1/3" & 1/4"	1/3": 35.1x26.1	0.3m	30.0x35.5	41.0g	Manual Iris
				1/4": 22.1x19.9				

Mono-focal Auto Iris Lens

ModelNo.	Focal Length Aperture	Mount	Image Format	Angle of View (HxV)	Minimum Object Distance	Mechanical Dimension (DxLmm)	Weight	Remarks
GTF2512AI	2.5mm F1.2-360	CS	1/3" & 1/4"	1/3": 108.6x80.8	0.3m	48.0x42.5	109.0g	Video A.I.
				1/4": 92.8x68.3				
GTF4012AI	4mm F1.2-360	CS	1/3" & 1/4"	1/3": 65.4x49.7	0.3m	48.5x41.0	109.5g	Video A.I.
				1/4": 52.4x40.2				
GTF6012AI	6mm F1.2-360	CS	1/3" & 1/4"	1/3": 46.1x34.5	0.3m	48.5x36.5	101.5g	Video A.I.
				1/4": 35.4x26.9				
GTF8012AI	8mm F1.2-360	CS	1/3" & 1/4"	1/3": 35.1x26.1	0.3m	48.5x37.0	100.0g	Video A.I.
				1/4": 22.1x19.9				
GTF2512DI	2.5mm F1.2-360	CS	1/3" & 1/4"	1/3": 108.6x80.8	0.3m	48.0x42.5	109.0g	DCAI.
				1/4": 92.8x68.3				
GTF4012DI	4mm F1.2-360	CS	1/3" & 1/4"	1/3": 65.4x49.7	0.3m	48.5x41.0	109.5g	DCAI.
				1/4": 52.4x40.2				
GTF6012DI	6mm F1.2-360	CS	1/3" & 1/4"	1/3": 46.1x34.5	0.3m	48.5x36.5	101.5g	DCAI.
				1/4": 35.4x26.9				
GTF8012DI	8mm F1.2-360	CS	1/3" & 1/4"	1/3": 35.1x26.1	0.3m	48.5x37.0	100.0g	DCAI.
				1/4": 22.1x19.9				

Varifocal Manual and Auto Iris Lens

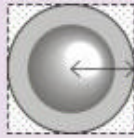
ModelNo.	Focal Length Aperture	Mount	Image Format	Angle of View (HxV)	Minimum Object Distance	Mechanical Dimension (DxLmm)	Weight	Remarks
GT3V3214WI	3.2-10.0mm F1.4-C	CS	1/3" & 1/4"	1/3": W84.0x62.5 / T 29.0x22.0	0.2m	42.0x53.5	79.0g	With Iris
				1/4": W69.2x52.0 / T 20.9x15.7				
GT3V3214AI	3.2-10.0mm F1.4-360	CS	1/3" & 1/4"	1/3": W84.0x62.5 / T 29.0x22.0	0.2m	48.5x53.5	98.0g	Video A.I.
				1/4": W69.2x52.0 / T 20.9x15.7				
GT3V3214DI	3.2-10.0mm F1.4-360	CS	1/3" & 1/4"	1/3": W84.0x62.5 / T 29.0x22.0	0.2m	48.5x53.5	79.0g	DCAI.
				1/4": W69.2x52.0 / T 20.9x15.7				
GT12V4215WI	4.2-51.0mm F1.5-C	CS	1/3" & 1/4"	1/3": W59.5x46.4 / T 5.4x4.0	1.5m	42.0x75.0	130.0g	With Iris
				1/4": W45.4x34.9 / T 4.0x3.1				
GT12V4215AI	4.2-51.0mm F1.5-360	CS	1/3" & 1/4"	1/3": W59.5x46.4 / T 5.4x4.0	1.5m	48.5x75.0	142.0g	Video A.I.
				1/4": W45.4x34.9 / T 4.0x3.1				
GT12V4215DI	4.2-51.0mm F1.5-360	CS	1/3" & 1/4"	1/3": W59.5x46.4 / T 5.4x4.0	1.5m	48.5x75.0	142.0g	DCAI.
				1/4": W45.4x34.9 / T 4.0x3.1				

Unique Features of GLANZ Professional CCTV Lenses

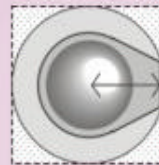
Cylinder Shape (Auto Iris Series)

GLANZ lenses are of very unique design, both outside and inside. Please take the measure in the way the diagram below shows. You'll see how GLANZ lenses are smaller and the cylinder shape makes installation far smoother. Distinguishing itself, GLANZ lens has Galvanometric meter inside and achieved smooth cylinder sharp. It enables GLANZ lenses to be adjusted in any position when installed into cameras. Because when installed, it is turned around and inserted into its mount.

GLANZA.I. Lenses



Other Brands



Of All Metal, Inside & Outside of GLANZ Lenses

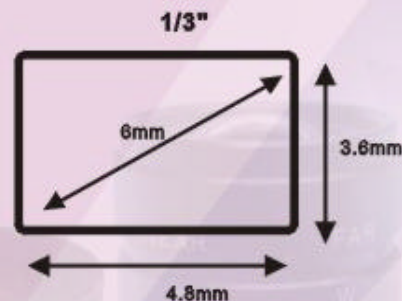
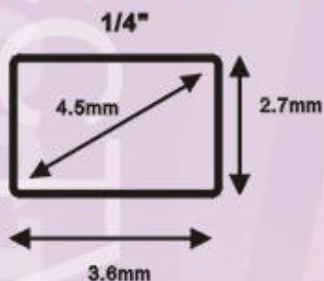
Metal lenses are NOT affected by the change of temperature in outside use or even inside use. For example, factory with greasy smoke. The weakness of plastic, chemical change is NOT the case for GLANZ lenses. Most common plastic parts inside and outside can be fragile, which certainly affects the quality of image in the long run. Metal parts inside and outside can assure you higher durability, for versatile uses, and in any circumstances. Meanwhile, environmental problems are of our concern in common.

High Resolution

Please note that each lenses for 1/3" CCD can also be applied to 1/4" CCD. Because we designed with consideration for the move in the market (smaller CCD is required). Each model for 1/3" CCD holds enough M.T.F. (Modulation Transferring Function) for as small as 1/4" CCD. Each model is inspected M.T.F. in 0.5/5MHz chart.

Technical Information

CCTV Lens Image Format

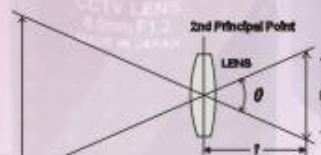


Angle Field of View

The range of subject side projected to image format depends of focal length and size of using image format. Focal length is not changed by size of image but angle field of view is changed with size of image.

We call "angle field of view" the angle crossing 2 rays of light between 2nd principal point and image sensor.

Angle field of view can be calculated with the following formula.

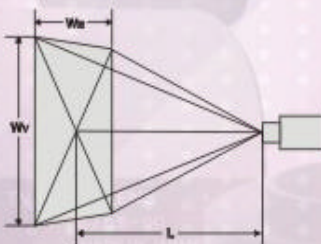


$$\theta = 2 \tan^{-1} \frac{D}{2f}$$

$$\text{Horizontal Angle } \theta_H = 2 \tan^{-1} \frac{D_H}{2f}$$

$$\text{Vertical Angle } \theta_V = 2 \tan^{-1} \frac{D_V}{2f}$$

D=Image size
 D_H =Horizontal image size
 D_V =Vertical image size
 f=focal length



With this "ANGLE FIELD OF VIEW" you can calculate the range of subject at a distance of L-meter (see left sketch)

$$\text{Length of subject(Horizontal): } W_H = 2L \tan\left(\frac{\theta_H}{2}\right)m$$

$$\text{Length of subject(Virtical): } W_V = 2L \tan\left(\frac{\theta_V}{2}\right)m$$

Exclusive Agent :

EXtec Technology Co., Ltd.

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