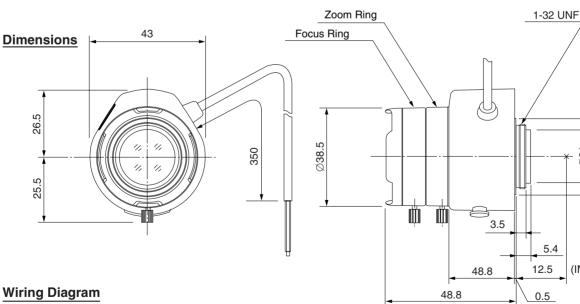


TG3Z3510AFCS-IR

3X 3.5mm - 10.5mm F1.0 Day & Night type for 1/3 type Format Cameras, Vari-focal Drive Auto Iris CS-Mount

Model No. TG3Z3510AFCS-IR Effective Lens Aperture Front Ø18.6mm Max. Aperture Ratio 1:1.0 Back Focal Rear Ø10.2mm Max. Image Format 4.8mm x 3.6mm(Ø6mm) Length Tele 16.3mm Max. Image Format 4.8mm x 3.6mm(Ø6mm) Length Wide 8mm Operation Range Iris F1.0 - F360 Flange Back Length 12.5mm Focus 0.3m - Inf. Mount CS-Mount CS-Mount Zoom 3.5mm - 10.5mm Filter Size —							with Fo	cus and Amplifi	
Max. Aperture Ratio1:1.0Back FocalTele16.3mmMax. Image Format4.8mm x 3.6mm(Ø6mm)LengthWide8mmOperation RangeIrisF1.0 - F360Flange Back Length12.5mmFocus0.3m - Inf.MountCS-MountCS-MountZoom3.5mm - 10.5mmFilter Size—ControlIrisVideo Auto IrisDimensionsØ38.5mm x 48mm x 48.8mFocusManualWeight70gZoomManualWeight70gZoomManualIo8.2° - 34.2°Io8.2° - 34.2°Angle of ViewD1/3 type108.2° - 34.2°Io8.2° - 20.4°H20.2° - 20.4°Io8.2° - 20.4°Io8.2° - 20.4°Io8.2° - 20.4°Supply VoltageDC8.5V - DC16VIo8.5V - DC16VIo8.5V - DC16VCurrentLess than 40mAAdjustable between Average - Peak (to be Set at Average at Factory)Input SignalInput SignalVideo Signal (V. or V.S.)Iris Accurancy±15% at Video Signal LevelSensitivity Adjustment0.5V(p-p) - 1.0V(p-p) (Video Signal)Io9.2%	Model No.		TG3Z3510AFCS-IR		Effective	Front	Ø18.6mm		
Max. Image Format4.8mm x 3.6mm (Ø 6mm)LengthWide8mmOperation Range PocusIrisF1.0 - F360Flange Back Length12.5mmFocus $0.3m \cdot Inf.$ MountCS-MountZoom $3.5mm \cdot 10.5mm$ Filter Size—ControlIrisVideo Auto IrisDimensionsØ38.5mm x 48mm x 48.8mFocusManualWeight70gZoomManualWeight70gZoomManualWeight70gAngle of ViewD1/3 type108.2° - 34.2° 59.2° - 20.4°Image Signal ViewHDC8.5V - DC16VImage Signal ViewImage Signal ViewSupply VoltageDC8.5V - DC16VImage Signal ViewImage Signal ViewLight Weighting MethodAdjustable between Average - Peak (to be Set at Average at Factory)Image Signal ViewInput SignalVideo Signal (V. or V.S.)Image Signal LevelImage Signal LevelSensitivity Adjustment0.5V(p-p) - 1.0V(p-p) (Video Signal)Image Signal Level	Focal Length		3.5mm - 10.5mm		Lens Aperture	Rear	Ø10.2mm	Ø10.2mm	
$ \begin{array}{ c c c } \label{eq:constraint} \begin{tabular}{ c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c c c } \label{eq:constraint} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Max. Aperture Ratio		1:1.0		Back Focal	Tele	16.3mm	16.3mm	
$ \begin{array}{ c c c c } \hline Focus & 0.3m - Inf. & Mount & CS-Mount \\ \hline Zoom & 3.5mm - 10.5mm & Filter Size & \\ \hline \\ \hline Control & Iris & Video Auto Iris & Dimensions & Ø38.5mm x 48mm x 48.8m \\ \hline Focus & Manual & Weight & 70g \\ \hline \\ \hline Zoom & Manual & 0 \\ \hline Zoom & Manual & 0 \\ \hline \\ Object Dimension & 3.5mm & 52cm x 34.1cm & \\ \hline \\ at M.O.D. & 10.5mm & 14.5cm x 10.8cm & \\ \hline \\ H & & 1/3 type & 108.2° - 34.2° \\ \hline \\ H & & 81.8° - 27.2° \\ \hline \\ \hline \\ V & & 59.2° - 20.4° & \\ \hline \\ \hline \\ Supply Voltage & DC8.5V - DC16V \\ \hline \\ Current & Less than 40mA \\ \hline \\ Response Time & Approx. 2 sec. \\ \hline \\ Light Weighting Method & Adjustable between Average - Peak (to be Set at Average at Factory) \\ \hline \\ Input Signal & Video Signal (V. or V.S.) \\ \hline \\ Iris Accurancy & \pm 15\% at Video Signal Level \\ \hline \\ Sensitivity Adjustment & 0.5V(p-p) - 1.0V(p-p) (Video Signal) \\ \hline \end{array}$	Max. Image Format		4.8mm x 3.6mm(Ø6mm)		Length	Wide	8mm	8mm	
$ \begin{array}{ c c c c } \hline \mbox{Norm} & \mbox{Norm} $	Operation Range	Iris	F1.0 - F360		Flange Back Length		12.5mm	12.5mm	
ControlIrisVideo Auto IrisDimensionsØ38.5mm x 48mm x 48.8mm 70gFocusManualWeight70gZoomManualWeight70gObject Dimension at M.O.D.3.5mm52cm x 34.1cmImage: Control of Con		Focus	0.3m - Inf.		Mount		CS-Mount	CS-Mount	
		Zoom	3.5mm - 10.5mm		Filter Size				
$ \begin{array}{ c c c c } \hline \begin{tabular}{ c c } \hline \end{tabular} \hline \hline \end{tabular} \hline \hline \end{tabular} \hline \end{tabular} \hline \end{tabular} \hline \hline \hline \end{tabular} \hline \hline tabul$	Control	Iris	Video Auto Iris		Dimensions		Ø38.5mm x 48mm x 48.8mm		
Object Dimension at M.O.D.3.5mm $52cm \times 34.1cm$ Image of View $10.5mm$ $14.5cm \times 10.8cm$ Image of ViewImage of View <td>Focus</td> <td colspan="2">Manual</td> <td colspan="2">Weight</td> <td colspan="2">70g</td>		Focus	Manual		Weight		70g		
at M.O.D.10.5mm14.5cm x 10.8cmImage of ViewImage of View<		Zoom	Manual						
Angle of ViewD $1/3$ type $108.2^{\circ} - 34.2^{\circ}$ $81.8^{\circ} - 27.2^{\circ}$ $59.2^{\circ} - 20.4^{\circ}$ Image: Constant of the second sec	Object Dimension	3.5mm	52cm x 34.1cm						
H 81.8° - 27.2° V 59.2° - 20.4° Supply Voltage DC8.5V - DC16V Current Less than 40mA Response Time Approx. 2 sec. Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	at M.O.D. 10.5mm		14.5cm x 10.8cm						
V 59.2° - 20.4° Supply Voltage DC8.5V - DC16V Current Less than 40mA Response Time Approx. 2 sec. Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Angle of View	D	1/3 type	108.2° - 34.2°					
Supply Voltage DC8.5V - DC16V Current Less than 40mA Response Time Approx. 2 sec. Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)		Н		81.8° - 27.2°					
Current Less than 40mA Response Time Approx. 2 sec. Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)		V		59.2° - 20.4°					
Response Time Approx. 2 sec. Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Supply Voltage		DC8.5V - DC16V						
Light Weighting Method Adjustable between Average - Peak (to be Set at Average at Factory) Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Current		Less than 40mA						
Input Signal Video Signal (V. or V.S.) Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Response Time		Approx. 2 sec.						
Iris Accurancy ±15% at Video Signal Level Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Light Weighting Method		Adjustable between Average - Peak (to be Set at Average at Factory)						
Sensitivity Adjustment 0.5V(p-p) - 1.0V(p-p) (Video Signal)	Input Signal		Video Signal (V. or V.S.)						
	Iris Accurancy		±15% at Video Signal Level						
Input Impedance High Impedance	Sensitivity Adjustment		0.5V(p-p) - 1.0V(p-p) (Video Signal)						
	Input Impedance		High Impedance						
Operating Temperature -20°C - +50°C	Operating Temperature		-20°C - +50°C						

Operates in both visible and infrared light



	RED	Vcc(+) DC8.5V-DC16V
LENS	WHITE	Video Signal (V. or V.S.)
	BLACK	Vcc(-)

M.O.D. : Minimum Object Distance

 \bigotimes

Ø**2**1

(IN AIR)

AG

CS

1/3 type

SP