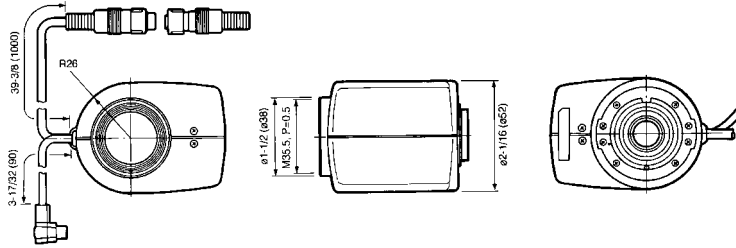


## 1/8" ZOOM LENS (FOR 1/8" CCD CAMERAS)

### WV-LZ61/10

10X Zoom Lens



Unit=Inches (mm)

<b>Focal Length</b>	6-60mm (10X)
<b>Maximum Aperture Ratio</b>	F=1:1.6 (wide) F=1:2.6 (tele)
<b>Image Size</b>	4.8(H)mm x 3.6(V)mm (equivalent to 1/2")
<b>Angular Field of View 1/8"</b>	<b>H</b> 4.6° (tele); 43.7° (wide) <b>V</b> 3.5° (tele); 33.0° (wide)
<b>Minimum Object Distance (ft.)</b>	4 (1.2m)
<b>Optical Filter Size</b>	M35.5mm, P=0.5mm

<b>Weight</b>	0.46 lbs. (210g)	
<b>Dimensions (H x W x D)</b>	2 1/4" x 2 3/8" x 2 3/4" (52 x 71 x 70.5mm)	
<b>Zoom and Focus Control</b>	<b>Control Voltage</b>	±6 to ±12VDC (Accept, Wide Voltage)
	<b>Polarity</b>	Zoom: (+) Tele (-) Wide Focus: (+) Near (-) Far
<b>Zoom and Focus Control</b>	<b>Operating Speed</b>	Zoom: Approx. 5 sec. at ±6 to ±12VDC; Focus: Approx. 6.5 sec. at ±6 to ±10VDC

<b>Focus Control</b>	<b>Far</b>	195mA at -6 to -12VDC
<b>Control</b>	<b>Near</b>	195mA at +6 to +12VDC
<b>Zoom Control</b>	<b>Wide</b>	170mA at -6 to -12VDC
<b>Control</b>	<b>Tele</b>	170mA at +6 to +12VDC
<b>Iris Type</b>	Automatic	
<b>Mount</b>	Special C-Mount (CS-Mount, 1"-32UN)	
<b>Pin Configuration</b>	1.	Common
	2.	Not Used
	3.	Focus
	4.	Zoom

\*Note: Zoom or focus speed cannot be changed even if the control voltage will be varied. (±6V to ±12V) The high voltage should be used for the stable operation. (Max. 12V)

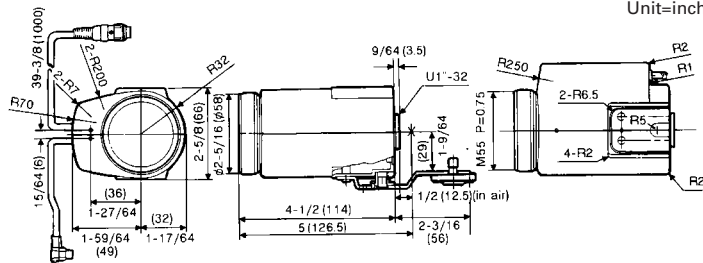
## ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The 1/8", automatic iris, 10X zoom lens shall be a Panasonic Model WV-LZ61/10 or equivalent. The lens shall be suitable for use in areas where there is a varying light source. The lens shall be compatible with 1/8" black-and-white or color CCD cameras. The lens shall have a focal length of 6-60mm (10X) and CS-mounting (special C-mount). The unit's optical filter size shall be: M35.5, P=0.5mm. The unit shall have a maximum aperture ratio of 1:1.6 wide and 1:2.6 telephoto. The unit shall have an angular field of view of 4.6° telephoto and 43.7° wide(H), and 3.5° telephoto and 33.0° wide(V). The lens shall have an image format of 4.8(H) x 3.6(V)mm (1/2"). The lens shall not exceed the following dimensions: 2 1/4"H x 2 3/8"W x 2 3/4"D. The focus control shall have the following voltage range and current draw: 195mA at -6VDC (far), 195mA at +6-12VDC (near). The zoom control shall have the following voltage range and current draw: 170mA at -6VDC (wide), 170mA at +6-12VDC (telephoto).

## 1/2" ZOOM LENS (FOR 1/8" AND 1/2" CCD CAMERAS)

### WV-LZ81/10

10X Zoom Lens



Unit=Inches (mm)

<b>Focal Length</b>	8.5-85mm
<b>Maximum Aperture Ratio</b>	F=1:1.4 (wide) F=1:1.7 (tele)
<b>Image Size</b>	6.4(H)mm x 4.8(V)mm (equivalent to 1/2")
<b>Angular Field of View 1/8"</b>	<b>H</b> 4.6° (tele); 44.6° (wide) <b>V</b> 3.5° (tele); 33.5° (wide)
<b>Angular Field of View 1/2"</b>	<b>H</b> 3.5° (tele); 33.5° (wide) <b>V</b> 2.6° (tele); 25.2° (wide)
<b>Min. Object Distance (ft.)</b>	3.7 (1.1m)
<b>Optical Filter Size</b>	M55mm, P=0.75mm

<b>Weight</b>	0.92 lbs. (450g)	
<b>Dimensions (H x W x D)</b>	2 1/8" x 3 3/8" x 3 3/8" (66 x 81 x 114mm)	
<b>Zoom and Focus Control</b>	<b>Control Voltage</b>	±6 to ±12VDC (Accept, Wide Voltage)
	<b>Polarity</b>	Zoom: (+) Tele (-) Wide Focus: (+) Near (-) Far
<b>Zoom and Focus Control</b>	<b>Operating Speed</b>	Zoom: Approx. 9 sec. at ±6VDC; 6 sec. at ±8VDC; 4 sec. at ±12VDC Focus: Approx. 12 sec. at ±6VDC; 7 sec. at 8VDC; 3 sec. at ±12VDC

<b>Focus Control</b>	<b>Far</b>	67mA at -8VDC
<b>Control</b>	<b>Near</b>	35mA at +8VDC
<b>Zoom Control</b>	<b>Wide</b>	28mA at -8VDC
<b>Control</b>	<b>Tele</b>	28mA at +8VDC
<b>Iris Type</b>	Automatic	
<b>Mount</b>	Special C-Mount (CS-Mount, 1"-32UN)	
<b>Pin Configuration</b>	1.	Common
	2.	Not Used
	3.	Focus
	4.	Zoom

\*Lens has mechanical focus adjustment ring.

## ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The 1/2", automatic iris, 10X zoom lens shall be a Panasonic Model WV-LZ81/10 or equivalent. The lens shall be suitable for use in areas where there is a varying light source. The lens shall be compatible with 1/8" and 1/2" black-and-white or color CCD cameras. The lens shall have a focal length of 8.5-85mm (10X) and CS-mounting (special C-mount). The unit's optical filter size shall be: M55mm, P=0.75mm. The unit shall have a maximum aperture ratio of 1:1.4 wide and 1:1.7 telephoto. The unit shall have an angular field of view of 4.6° telephoto and 44.6° wide(H), and 3.5° telephoto and 33.5° wide(V) in 1/8" format. The unit shall have an angular field of view of 3.5° telephoto and 33.5° wide(H) and 2.6° telephoto and 25.2° wide(V) in 1/2" format. The lens shall have an image format of 6.4(H) x 4.8(V)mm (1/2"). The lens shall not exceed the following dimensions: 2 1/8"H x 3 3/8"W x 3 3/8"D. The focus control shall have the following voltage range and current draw: 67mA at -8VDC (far), 35mA at +8VDC (near). The zoom control shall have the following voltage range and current draw: 28mA at -8VDC (wide), 28mA at +8VDC (telephoto).