

# HZ20X0816VPIR

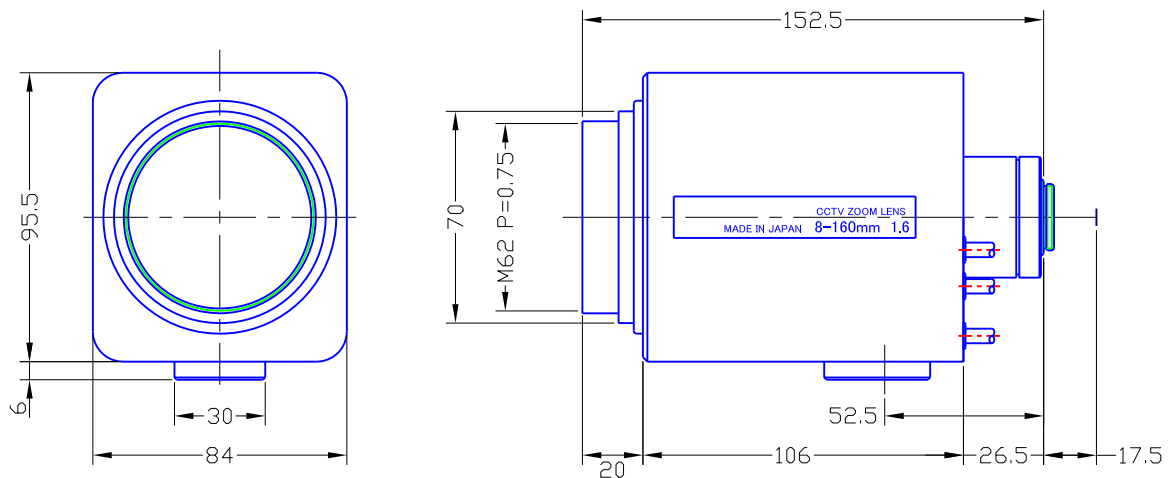
|                           |   |               |               |                 |          |  |
|---------------------------|---|---------------|---------------|-----------------|----------|--|
| Type                      | AI ZOOM                                 |               | Mount         | C               |          |  |
| Focal Length              | 8~160mm                                 |               | Back Focus    | 14.06mm         |          |  |
| Fno.                      | F1.6                                    |               | Mechanical Bf | 17.5mm          |          |  |
| Designed Image Format     | 1/2"(4.8x6.4mm)                         |               | Exit Pupil    | -451.26mm       |          |  |
| Operation Range           | Iris                                    | F1.6-F1000    | Filter Size   | M62x0.75mm      |          |  |
|                           | Focus                                   | 1.5m ~ ∞      | Aperture      | Front           | ∅ 58 mm  |  |
|                           | Zoom                                    | 8~160mm       |               | Rear            | ∅ 12.1mm |  |
| Control                   | Iris                                    | DC Motor      | Dimention     | 84x95.5x152.5mm |          |  |
|                           | Focus                                   | DC Motor      |               | Weight          | 1400g    |  |
|                           | Zoom                                    | DC Motor      |               |                 |          |  |
| Object Size at MOD        | Wide                                    | 829 x1099mm   |               |                 |          |  |
|                           | Tele                                    | 43.0 X 57.0mm |               |                 |          |  |
| Field of View             | D                                       | 51.8°~28.2°   | 1/3"          | 40.2°~2.14°     |          |  |
|                           | H                                       | 42.7°~2.28°   |               | 32.7°~1.72°     |          |  |
|                           | V                                       | 32.7°~1.72°   |               | 24.7°~1.30°     |          |  |
| Control                   | Iris                                    | Focus         | Zoom          |                 |          |  |
| Driving Coil/Supply Volt. | DC 8.5-16V                              | DC 6-12V      | DC 6-12V      |                 |          |  |
| Damping Coil/Current      | 60mA or less                            | 60mA or less  | 60mA or less  |                 |          |  |
| Response Time             | about 3 sec.                            | 9 - 18 sec.   | 6.5 - 13 sec. |                 |          |  |
| Potentiometer             | 10KΩ VR                                 | 10KΩ VR       | 10KΩ VR       |                 |          |  |
| Light Measuring Method    | Average to Peak(Factory set at Average) |               |               |                 |          |  |
| Input Signal              | Video Signal (V or VS)                  |               |               |                 |          |  |
| Iris Accuracy             | ±15% at Video Signal Level              |               |               |                 |          |  |
| Sensitivity Adjustment    | 0.4~1.0Vp-p(Video Signal)               |               |               |                 |          |  |
| Operating Temperature     | -10°C~+50°C                             |               |               |                 |          |  |

1/2"

C

CVP

## DIMENSIONS



## Wiring Diagram

1) 3-core Cable for Auto Iris

|       |       |
|-------|-------|
| RED   | + 12V |
| WHITE | Video |
| BLACK | GND   |

2) 4-core Cable for Focus / Zoom Control

|        |           |                  |              |
|--------|-----------|------------------|--------------|
| Black  | Focus (+) | Far to Near (-)  | Near to Far  |
| Green  | Focus (-) | Far to Near (+)  | Near to Far  |
| Yellow | Zoom (+)  | Wide to Tele (-) | Tele to Wide |
| Red    | Zoom (-)  | Wide to Tele (+) | Tele to Wide |

3) 6-core Cable for Potentiometer to control zooming and focusing

|        |           |              |
|--------|-----------|--------------|
| Green  | Focus (+) | Far to Near  |
| Blue   | Focus (-) | (10KΩ ±15%)  |
| Purple | Focus (+) | Wide to Tele |
| Gray   | Zoom (+)  | (10KΩ ±15%)  |
| White  | Zoom (-)  |              |
| Black  | Zoom (-)  |              |