

# ZFX-C20/25-CD

## Easy Vision – Touch, Connect & Go

- Easy vision – intuitive teach & go user interfaces
- Live – built-in LCD touch monitors for setup and immediate feedback
- Communication – centralized setup & inspection via Ethernet
- Flexible – 1 or 2 cameras, colour or monochrome
- Performance – High speed & additional processing tools
- Barcode & Datamatrix reading & verification



## Ordering Information

### Controllers

| Appearance                                                                         | Power supply    | Circuit type | Model      |
|------------------------------------------------------------------------------------|-----------------|--------------|------------|
|  | DC21.6 to 26.4V | NPN          | ZFX-C20-CD |
|                                                                                    |                 | PNP          | ZFX-C25-CD |

### Cameras

| Appearance                                                                                        | Type                 |                 | Setting distance                                                                             | Sensing area                            | Model                         | Remarks          |
|---------------------------------------------------------------------------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|------------------|
| <br>(ZFX-SC50) | Camera with lighting | Monochrome type | 34mm to 49mm                                                                                 | 5mm x 4.9mm to 9mm x 8.9mm (variable)   | ZFX-SR10                      | Cable length: 2m |
|                                                                                                   |                      |                 | 38mm to 194mm                                                                                | 10mm x 9.8mm to 50mm x 49mm (variable)  | ZFX-SR50                      |                  |
|                                                                                                   |                      | Color type      | 34mm to 49mm                                                                                 | 5mm x 4.9mm to 9mm x 8.9mm (variable)   | ZFX-SC10                      |                  |
|                                                                                                   |                      |                 | 34mm to 187mm                                                                                | 10mm x 9.8mm to 50mm x 49mm (variable)  | ZFX-SC50<br>ZFX-SC50W(IP67)   |                  |
|                                                                                                   |                      |                 | 67mm to 142mm                                                                                | 50mm x 49mm to 90mm x 89mm (variable)   | ZFX-SC90<br>ZFX-SC90W(IP67)   |                  |
|                                                                                                   |                      |                 | 115mm to 227mm                                                                               | 90mm x 89mm to 150mm x 148mm (variable) | ZFX-SC150<br>ZFX-SC150W(IP67) |                  |
|                                                                                                   | Camera only          | Monochrome type | The CCTV lens is selected according to the range of detection and the installation distance. |                                         | ZFX-S                         | –                |
|                                                                                                   |                      | Color type      |                                                                                              |                                         | ZFX-SC                        |                  |

## Cables

| Type                      |                  | Cable length | Model                  |
|---------------------------|------------------|--------------|------------------------|
| Camera Cable <sup>1</sup> | Normal type      | 3m, 8m       | ZFX-VS                 |
|                           | Robot cable type | 3m           | ZFX-VSR                |
| Camera Extension Cable    | Normal type      | 3m           | ZFX-XC3A <sup>2</sup>  |
|                           |                  | 8m           | ZFX-XC8A <sup>2</sup>  |
|                           | Robot cable type | 3m           | ZFX-XC3AR <sup>2</sup> |
| Parallel I/O Cable        |                  | 2m, 5m       | ZFX-VP                 |
| RS-232C Cable             |                  | 2m           | ZFX-XPT2A              |
| RS-422 Cable              |                  | 2m           | ZFX-XPT2B              |
| Monitor Cable             |                  | 2m, 5m       | FZ-VM                  |

<sup>1</sup>. It is necessary for ZFX-S and ZFX-SC. ZFX-SR/\_/SC\_ is a cable drawing out type, it doesn't use it.

<sup>2</sup>. Up to two camera extension cables can be connected to the camera cable as long as the total cable length between the controller and the camera does not exceed 19 m.

## Accessories

| Type                           |                               | Model                                                            |
|--------------------------------|-------------------------------|------------------------------------------------------------------|
| Console                        |                               | ZFX-KP (2m / 5m)                                                 |
| LCD Monitor                    |                               | FZ-M08                                                           |
| Panel Mount Adapters           |                               | ZFX-XPM                                                          |
| Optional Lighting <sup>1</sup> | bar lighting                  | ZFV-LTL01                                                        |
|                                | bar double-lighting           | ZFV-LTL02                                                        |
|                                | bar low-angle lighting        | ZFV-LTL04                                                        |
|                                | light source for through beam | ZFV-LTF01                                                        |
| CCTV Lenses/Extension Tubes    |                               | 3Z4S-LE series                                                   |
| External Lighting              |                               | 3Z4S-LT series                                                   |
| Strobe Controller <sup>2</sup> |                               | Manufactured by MORITEX Corporation<br>3Z4S-LT<br>MLEK-C100E1TSX |

<sup>1</sup>. It is possible to ZFX-SC50 and ZFX-SC90 use it.

<sup>2</sup>. It is possible to ZFX-S and ZFX-SC use it. It uses it so that the controller may control an external lighting.

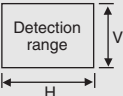
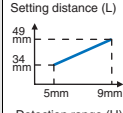
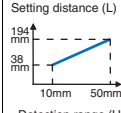
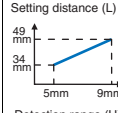
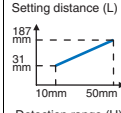
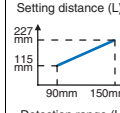
## Specifications

### Controller

| Item                        |                            |                              | ZFX-C20-CD                                                                                                                                                                                                                           | ZFX-C25-CD                                               |
|-----------------------------|----------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Number of connected cameras |                            |                              | 2                                                                                                                                                                                                                                    |                                                          |
| Connectable camera          |                            |                              | ZFX-SR_/SC_/S/SC                                                                                                                                                                                                                     |                                                          |
| Processing resolution       |                            |                              | When ZFX-SR_/SC_ is connected:464 (H) x464 (V)<br>When ZFX-S/SC is connected:608 (H) x464 (V)                                                                                                                                        |                                                          |
| Display                     |                            | LCD monitor                  | 3.5" TFT color LCD (320 x 240 pixels)                                                                                                                                                                                                |                                                          |
|                             |                            | Indicator                    | "Measuring" indicator (color: green): RUN<br>Trigger indicator (color: blue): ENABLE<br>Judgment indicator (color: orange): OUTPUT<br>Error indicator (color: red): ERROR                                                            |                                                          |
| External I/F                | Parallel Interface         | Input                        | 12 points (RESET, DSA, DI0 to 8, TRIG)                                                                                                                                                                                               |                                                          |
|                             |                            | Output                       | 22 points (OR, ERROR, RUN, ENABLE, GATE, STGOUT0, DO0 to 15)                                                                                                                                                                         |                                                          |
|                             |                            | Circuit type                 | NPN                                                                                                                                                                                                                                  | PNP                                                      |
|                             | Serial Interface           | USB2.0                       | 1 port, FULL SPEED, MINI-B connector                                                                                                                                                                                                 |                                                          |
|                             |                            | RS-232C                      | 1 port, max. 115200 bps (cannot be used simultaneously with RS-422 interface)                                                                                                                                                        |                                                          |
|                             |                            | RS-422                       | 1 port, max. 115200 bps (cannot be used simultaneously with RS-232C interface)                                                                                                                                                       |                                                          |
|                             | Network communications     | Ethernet                     | 1 port, 100BASE-TX/10BASE-T                                                                                                                                                                                                          |                                                          |
|                             | Monitor output             |                              | Analog RGB output, 1 ch (resolution VGA: 640 x 480)                                                                                                                                                                                  |                                                          |
| Memory card I/F             |                            | SD card slot 1 ch            |                                                                                                                                                                                                                                      |                                                          |
| Operation I/F               |                            |                              | Touch panel, key operation, console connection                                                                                                                                                                                       |                                                          |
| Main functions              | Number of registered banks |                              | 32 banks                                                                                                                                                                                                                             |                                                          |
|                             | Number of setup items      |                              | 128 items/1 bank                                                                                                                                                                                                                     |                                                          |
|                             | Measurement items          | Shape inspection             | Pattern search, sensitive search, flexible search, graphic search                                                                                                                                                                    |                                                          |
|                             |                            | Size inspection              | Area, labeling                                                                                                                                                                                                                       |                                                          |
|                             |                            | Edge inspection              | Position, width, count                                                                                                                                                                                                               |                                                          |
|                             |                            | Brightness/color inspection  | Brightness, HUE                                                                                                                                                                                                                      |                                                          |
|                             |                            | Application-based inspection | Defects, grouping                                                                                                                                                                                                                    |                                                          |
|                             |                            | Code reading                 | Barcode (WPC(JAN/EAN/UPC), Code 39, Codebar (NW-7), ITF (Interleaved 2 of 5), Code 93, Code 128, GS1-128, GS1 Databar, Pharmacode) Datamatrix (ECC200, QR Code, MicroQR Code, PDF417, MicroPDF417, Maxi Code, AZtec Code, Codablock) |                                                          |
|                             |                            | Position correction          |                                                                                                                                                                                                                                      | 1 model search, 2 model search, position, area, labeling |
| Additional functions        | Image memory function      |                              | Max. 100 images (when 2 cameras are connected, 50 images/camera)                                                                                                                                                                     |                                                          |
|                             | Analysis function          |                              | Logging monitor                                                                                                                                                                                                                      |                                                          |
| Menu language               |                            |                              | Japanese/English (can be switched)                                                                                                                                                                                                   |                                                          |
| Ratings                     |                            | Power supply voltage         | 21.6 to 26.4 VDC (including ripple)                                                                                                                                                                                                  |                                                          |
|                             |                            | Current consumption          | 1.5 A max.                                                                                                                                                                                                                           |                                                          |
|                             |                            | Insulation resistance        | Across all lead wires and controller case: 20 MΩ (by 250 V megger)                                                                                                                                                                   |                                                          |
|                             |                            | Dielectric strength          | Across all lead wires and controller case, 1000 VAC, 50/60 Hz, 1 min                                                                                                                                                                 |                                                          |

| Item                             |                                   | ZFX-C20-CD                                                                                                                                     | ZFX-C25-CD |
|----------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Operation environment robustness | Ambient temperature range         | Operating: 0 to + 50°C, Storage: -15 to +60°C (with no icing or condensation)                                                                  |            |
|                                  | Ambient humidity range            | Operating and storage: 35% to 85% (with no condensation)                                                                                       |            |
|                                  | Ambient atmosphere                | No corrosive gases allowed                                                                                                                     |            |
|                                  | Degree of protection              | IP20 (IEC60529)                                                                                                                                |            |
|                                  | Vibration resistance (durability) | Vibration frequency: 10 to 150 Hz Single-amplitude: 0.35 mm Acceleration: 50 m/s <sup>2</sup> 10 times for 8 minutes in X, Y, and Z directions |            |
|                                  | Shock resistance (destructive)    | 150 m/s <sup>2</sup> 3 times each in 6 directions (up/down, left/right, forward/backward)                                                      |            |
| Material                         |                                   | Case: Polycarbonate (PC), Plate face: PMMA                                                                                                     |            |
| Weight                           |                                   | Approx. 650 g                                                                                                                                  |            |
| Accessories                      |                                   | Touch pen (ZFX-TP), Exhaust unit (ZFX-EU), Terminal block adapter (ZFX-XTB), Ferrite core (2 p'ces), Instruction Sheet                         |            |

## Camera

| Item                                                                                                         |                               | ZFX-SR10                                                                           | ZFX-SR50                                                                           | ZFX-SC10                                                                           | ZFX-SC50 /SC50W                                                                    | ZFX-SC90 /SC90W                                                                     | ZFX-SC150 /SC150W                                                                    | ZFX-S (monochrome type)                                                              | ZFX-SC (color type)                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection range (H x V)<br> |                               | 5 mm x 4.9 mm to 9 mm x 8.9 mm (variable)                                          | 10 mm x 9.8 mm to 50 mm x 49 mm (variable)                                         | 5 mm x 4.9 mm to 9 mm x 8.9 mm (variable)                                          | 10 mm x 9.8 mm to 50 mm x 49 mm (variable)                                         | 50 mm x 49 mm to 90 mm x 89 mm (variable)                                           | 90 mm x 89 mm to 150 mm x 148 mm (variable)                                          | The CCTV lens is selected according to the detection range and the setting distance. |                                                                                                                                                     |
| Setting distance (L)                                                                                         |                               | 34 mm to 49 mm                                                                     | 38 mm to 194 mm                                                                    | 34 mm to 49 mm                                                                     | 31 mm to 187 mm                                                                    | 67 mm to 142 mm                                                                     | 115 mm to 227 mm                                                                     |                                                                                      |                                                                                                                                                     |
| Relationship between setting distance and detection range                                                    |                               |  |  |  |  |  |  |                                                                                      |                                                                                                                                                     |
| Image capture element                                                                                        |                               | All-pixel capture inter-line transfer type 1/3" CCD (monochrome)                   |                                                                                    |                                                                                    | All-pixel capture inter-line transfer type 1/3" CCD (color)                        |                                                                                     |                                                                                      | All-pixel capture inter-line transfer type 1/3" CCD (monochrome)                     | All-pixel capture inter-line transfer type 1/3" CCD (color)                                                                                         |
| Effective number of pixels                                                                                   |                               | 659(H) x 494 (V)                                                                   |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                     |
| Pixel size                                                                                                   |                               | 7.4 μm (H) x 7.4 μm (V)                                                            |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                     |
| Shutter speed                                                                                                |                               | 1/1000 to 1/4000                                                                   |                                                                                    |                                                                                    | 1/500 to 1/8000                                                                    |                                                                                     |                                                                                      | 1/500 to 1/20000                                                                     |                                                                                                                                                     |
| Partial function (partial capture)                                                                           |                               | OFF                                                                                |                                                                                    |                                                                                    | 1/2 partial, 1/4 partial                                                           |                                                                                     |                                                                                      | Not available                                                                        | 1/2 partial, 1/4 partial                                                                                                                            |
| Image rate function                                                                                          |                               | Fine, Normal, High speed                                                           |                                                                                    |                                                                                    | Not available                                                                      |                                                                                     |                                                                                      | Fine, Normal, High speed                                                             | Not available                                                                                                                                       |
| Frame rate (at capture of entire screen)                                                                     |                               | 96 fps                                                                             |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      | 90 fps                                                                               |                                                                                                                                                     |
| Lens mount                                                                                                   |                               | —                                                                                  |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      | C mount                                                                              |                                                                                                                                                     |
| Lighting                                                                                                     | Lighting method               | Pulse lighting                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      | —                                                                                    |                                                                                                                                                     |
|                                                                                                              | LED                           | Red LED                                                                            |                                                                                    |                                                                                    | White LED                                                                          |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                     |
|                                                                                                              | Type                          | Direct lighting                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                     |
|                                                                                                              | Guide light                   | Available (center, measurement region)                                             |                                                                                    |                                                                                    | Not available                                                                      |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                     |
|                                                                                                              | Optional lighting I/F         | Not available                                                                      |                                                                                    |                                                                                    | Not available                                                                      | Available (ZFV-LT Series)                                                           |                                                                                      | Not available                                                                        | Available<br>External lighting: 3Z4S-LT <sup>*1</sup> . Series<br>Flash Controller: made by Moritex Corporation 3Z4S-LT MLEK-C100E1TS <sup>*1</sup> |
|                                                                                                              | Indicator Class <sup>*2</sup> | —                                                                                  |                                                                                    |                                                                                    | Class 1                                                                            | Class 2                                                                             | Class 2                                                                              | Class 1                                                                              |                                                                                                                                                     |

| Item                             |                                                 | ZFX-SR10                                                                                  | ZFX-SR50 | ZFX-SC10                                                                   | ZFX-SC50<br>/SC50W                                                                                                                  | ZFX-SC90<br>/SC90W                                                                           | ZFX-SC150<br>/SC150W                                 | ZFX-S<br>(monochrome type)                                                                                                         | ZFX-SC<br>(color type) |
|----------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Ratings                          | Power supply voltage (supplied from Controller) | 15 VDC                                                                                    |          |                                                                            | 15 VDC, 48 VDC                                                                                                                      |                                                                                              |                                                      | 15 VDC, 48 VDC                                                                                                                     |                        |
|                                  | Current consumption                             | Approx. 200 mA                                                                            |          |                                                                            | Approx. 350 mA (15 VDC: approx. 150 mA, 48 VDC: approx. 200 mA) (including current consumption when optional lighting is connected) |                                                                                              |                                                      | Approx. 200 mA (15 VDC: approx. 150 mA, 48 VDC: approx. 200 A) (including current consumption when external lighting is connected) |                        |
| Operation environment robustness | Ambient temperature range                       | Operating: 0 to + 40°C, Storage: -20 to +65°C (with no icing or condensation)             |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      | Operating: 0 to + 50°C, Storage: -20 to +65°C (with no icing or condensation)                                                      |                        |
|                                  | Ambient humidity range                          | Operating and storage: 35% to 85% (with no condensation)                                  |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      |                                                                                                                                    |                        |
|                                  | Ambient atmosphere                              | No corrosive gases allowed                                                                |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      |                                                                                                                                    |                        |
|                                  | Degree of protection                            | IP65 (IEC60529)                                                                           |          | ZFX-SC__ : IP65 (IEC60529), ZFX-SC__W: IP67 (IEC60529)                     |                                                                                                                                     |                                                                                              |                                                      | IP20 (IEC60529)                                                                                                                    |                        |
|                                  | Dielectric strength                             | 1000 VAC 50 Hz/60 Hz 1 min                                                                |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      |                                                                                                                                    |                        |
|                                  | Vibration resistance (durability)               | 10 to 150 Hz Single-amplitude 0.35 mm 10 times for 8 min each in X, Y, and Z directions   |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      |                                                                                                                                    |                        |
|                                  | Shock resistance (destructive)                  | 150 m/s <sup>2</sup> 3 times each in 6 directions (up/down, left/right, forward/backward) |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      |                                                                                                                                    |                        |
| Connection method                |                                                 | Cable built-in type (cable length: 2 m)                                                   |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      | Connector connection type (camera cable ZFX-VS/VSR required)                                                                       |                        |
| Material                         |                                                 | Case: ABS, mounting fixture: PBT                                                          |          |                                                                            |                                                                                                                                     |                                                                                              |                                                      | Case: Aluminum die-cast, Cover: Zinc-plated copper plate 0.5 mm thick, Camera mounting base: ABS                                   |                        |
| Weight                           |                                                 | Approx. 200 g (including mounting fixture and cable)                                      |          |                                                                            | Approx. 270 g (including mounting fixture and cable)                                                                                | Approx. 300 g (including mounting fixture and cable)                                         | Approx. 600 g (including mounting fixture and cable) | Approx. 80 g                                                                                                                       |                        |
| Accessories                      |                                                 | mounting fixture (ZFV-XMF) 1 p'ce, Ferrite core 2 p'ces, Instruction Sheet                |          | mounting fixture (ZFV-XMF) 1 p'ce, Ferrite core 2 p'ces, Instruction Sheet | mounting fixture (ZFV-XMF2) 1 p'ce, Ferrite core 2 p'ces, Warning label 1, Instruction Sheet                                        | mounting fixture (ZFV-XMF2) 1 p'ce, Ferrite core 2 p'ces, Warning label 1, Instruction Sheet | Ferrite core 2 p'ces, Instruction Sheet              | Instruction Sheet                                                                                                                  |                        |

<sup>\*1</sup>. 3Z4S-LT are not yet released for overseas.

<sup>\*2</sup>. Applicable standards IEC60825-1:1993 +A1:1997 +A2:2001, EN60825-1:1994 +A2:2001

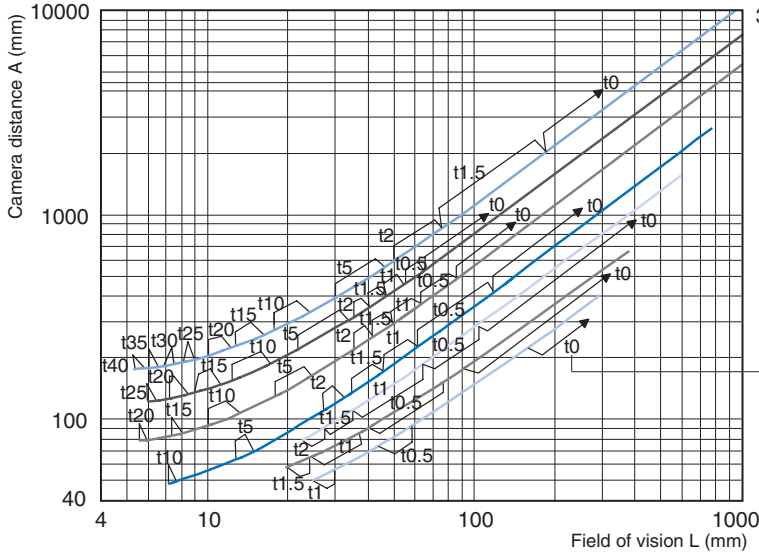
# CCTV Lenses

The CCTV Lenses and Extension Tubes described in this page are not yet released.

## Optical Graph

If using the ZFX-S/SC Camera (Camera only), refer to the optical graph below and select the lens and Extension Tubes. The lens to be selected will depend on the size of the measurement object and the camera distance.

Camera Only ZFX-S/SC



3Z4S-LE

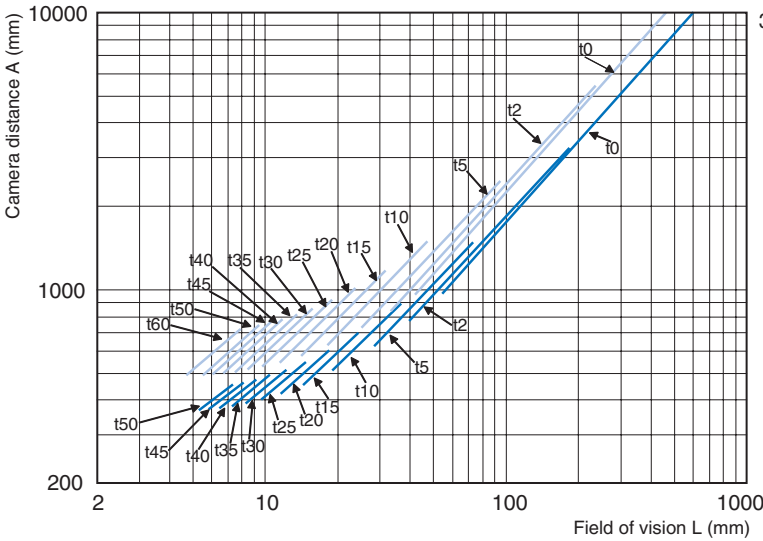
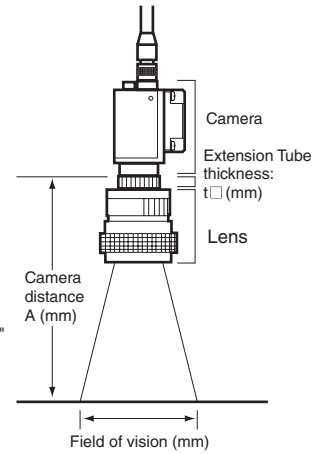
- ML-0614
- ML-0813
- ML-1214
- ML-1614
- ML-2514
- ML-3519
- ML-5018

t: Extension Tube length

The value "t0" indicates applications where an Extension Tube is not needed and the value "t5" indicates applications where a 5-mm Extension Tube is used.

### Meaning of Optical Graph

The X axis of the graph shows the field of vision L (mm), and the Y axis shows the camera distance A (mm).



3Z4S-LE

- ML-7527
- ML-10035

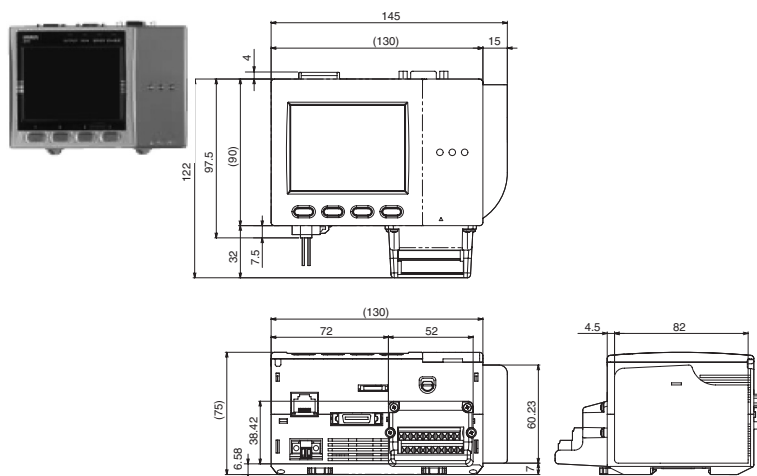
## CCTV Lenses

| CCTV Lens    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Model        | 3Z4S-LE ML-0614                                                                     | 3Z4S-LE ML-0813                                                                     | 3Z4S-LE ML-1214                                                                     | 3Z4S-LE ML-1614                                                                     | 3Z4S-LE ML-2514                                                                     | 3Z4S-LE ML-3519                                                                       | 3Z4S-LE ML-5018                                                                       | 3Z4S-LE ML-7527                                                                       | 3Z4S-LE ML-10035                                                                      |
| Appearance   |  |  |  |  |  |  |  |  |  |
| Focal length | 6 mm                                                                                | 8 mm                                                                                | 12 mm                                                                               | 16 mm                                                                               | 25 mm                                                                               | 35 mm                                                                                 | 50 mm                                                                                 | 75 mm                                                                                 | 100 mm                                                                                |
| Brightness   | F1.4                                                                                | F1.3                                                                                | F1.4                                                                                | F1.4                                                                                | F1.4                                                                                | F1.9                                                                                  | F1.8                                                                                  | F2.7                                                                                  | F3.5                                                                                  |
| Filter size  | M27 P05                                                                             | M25.5 P0.5                                                                          | M27 P0.5                                                                            | M27 P0.5                                                                            | M27 P0.5                                                                            | M27 P0.5                                                                              | M30 P0.5                                                                              | M30 P0.5                                                                              | M30 P0.5                                                                              |

(Unit: mm)

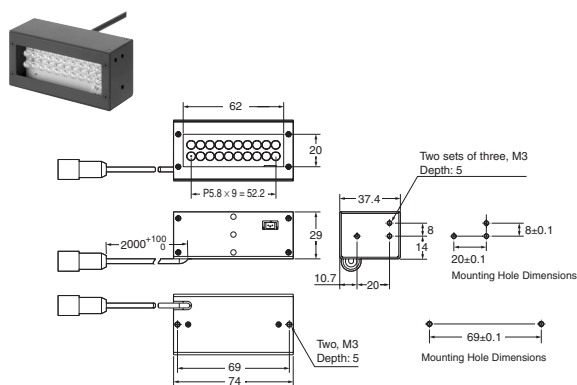
## Controllers

## ZFX-C20/C25-CD

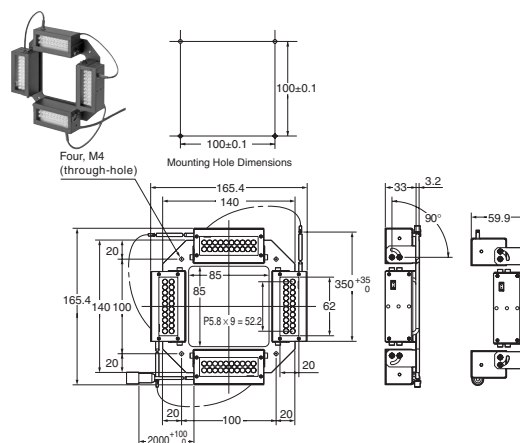


## Optional Lighting

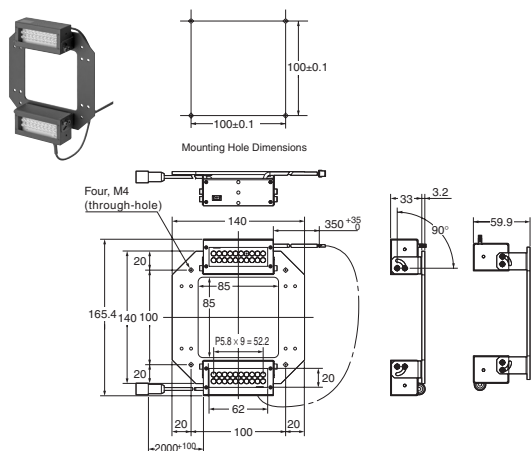
## ZFV-LTL01



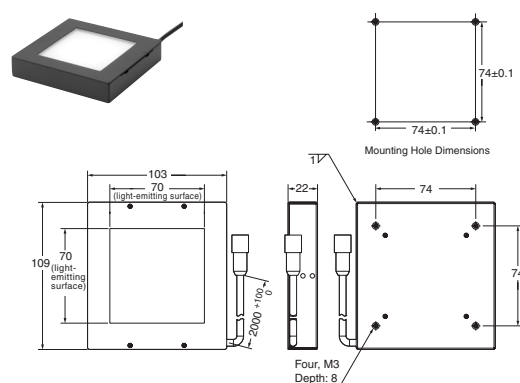
## ZFV-LTL04



## ZFV-LTL02

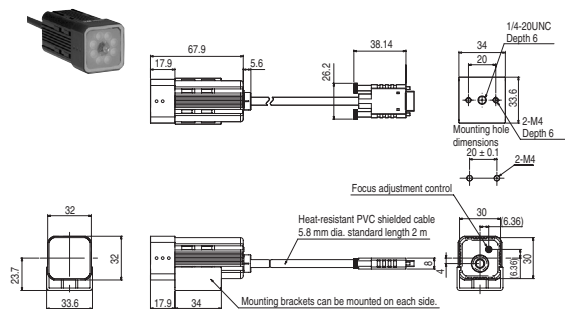


## ZFV-LTF01

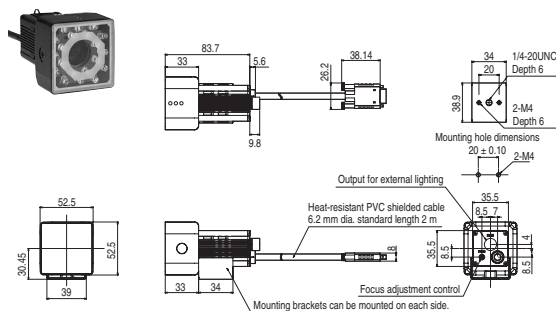


## Cameras

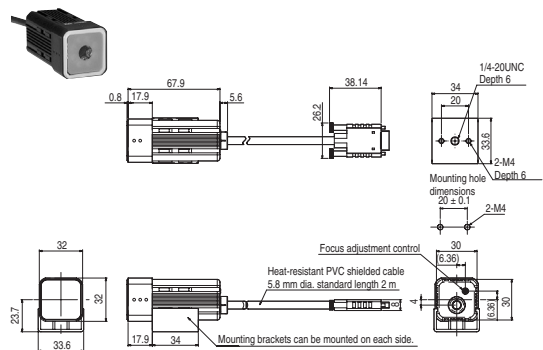
### ZFX-SR10/SR50



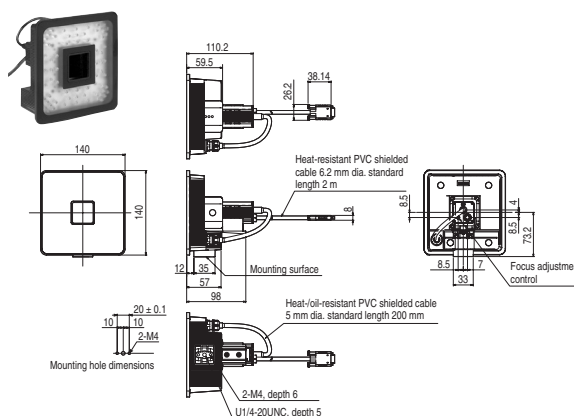
### ZFX-SC90/90W



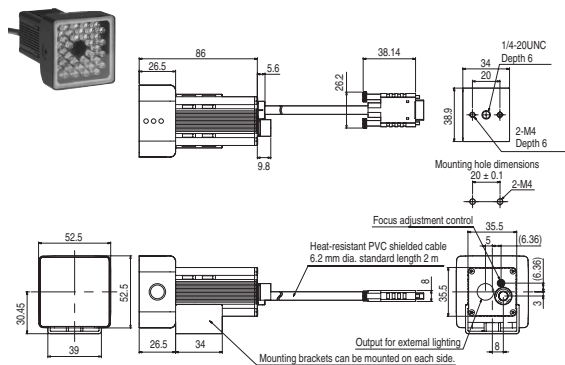
### ZFX-SC10



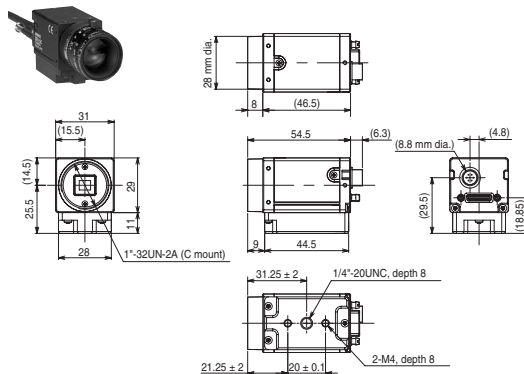
### ZFX-SC150/150W



### ZFX-SC50/50W

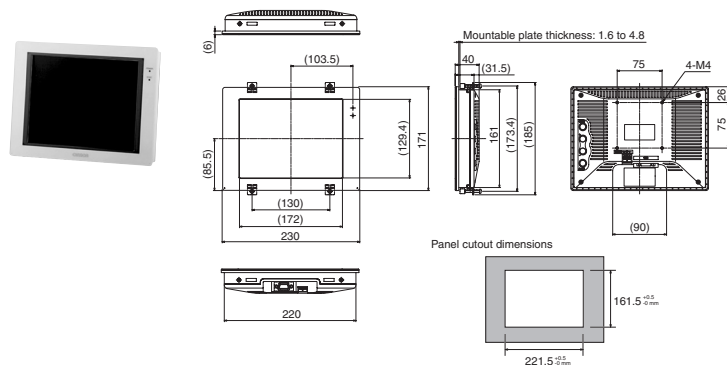


### ZFX-S/SC



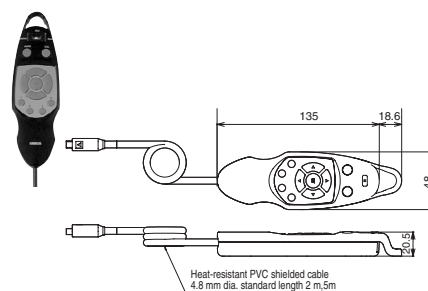
## LCD Monitor

### FZ-M08



## Console

### ZFX-KP



Cat. No. Q27E-EN-01

**In the interest of product improvement, specifications are subject to change without notice.**

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