



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for OMRON ZFX-C25-CD. You'll find the answers to all your questions on the OMRON ZFX-C25-CD in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OMRON ZFX-C25-CD
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Operating instructions OMRON ZFX-C25-CD
Instructions for use OMRON ZFX-C25-CD
Instruction manual OMRON ZFX-C25-CD

OMRON

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
	DC24 to 26.4V	NPN	ZFX-C20-CD
		PNP	ZFX-C25-CD

Cameras

Appearance	Type	Setting distance	Sensing area	Model	Remarks	
 (ZFX-SC50)	Camera with lighting	Monochrome type	34mm to 48mm	5mm x 4.9mm to 99mm x 8.9mm (variable)	ZFX-SR10	Cable length: 2m
		Color type	38mm to 194mm	110mm x 9.9mm to 50mm x 4.9mm (variable)	ZFX-SR50	
	Camera only	Monochrome type	34mm to 48mm	5mm x 4.9mm to 99mm x 8.9mm (variable)	ZFX-SC10	
		Color type	34mm to 187mm	10mm x 9.9mm to 50mm x 4.9mm (variable)	ZFX-SC50	
		Color type	67mm to 142mm	50mm x 4.9mm to 90mm x 8.9mm (variable)	ZFX-SC30	
	Color type	119mm to 227mm	94mm x 8.9mm to 190mm x 148mm (variable)	ZFX-SC150		
	Color type			ZFX-SC150W(IP67)		
	Color type			ZFX-SC		

ZFX 1



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Manual abstract:

Accessories Type Model ZFX-VS ZFX-VSR ZFX-XC3A*2 ZFX-XC8A*2. ZFX-XC3AR*2. ZFX-VP ZFX-XPT2A ZFX-XPT2B FZ-VM Type Console LCD Monitor Panel Mount Adapters Optional bar lighting Lighting*1 bar doublelighting bar low-angle lighting light source for through beam CCTV Lenses/Extension Tubes External Lighting Strobe Controller*2 Model ZFX-KP (2m / 5m) FZ-M08 ZFX-XPM ZFV-LTL01 ZFV-LTL02 ZFV-LTL04 ZFV-LTF01 3Z4S-LE series 3Z4S-LT series Manufactured by MORITEX Corporation 3Z4S-LT MLEK-C100E1TSX It is necessary for ZFX-S and ZFX-SC. ZFX-SR/_SC_ is a cable drawing out type, it doesn't use it. 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. *2. *1. *2. It is possible to ZFX-SC50 and ZFX-SC90 use it. 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 Number of connected cameras Connectable camera Processing resolution Display LCD monitor Indicator ZFX-C20-CD ZFX-C25-CD 2 ZFX-SR/_SC_/S/SC When ZFX-SR/_SC_ is connected:464 (H) x464 (V) When ZFX-S/SC is connected:608 (H) x464 (V) 3.5" TFT color LCD (320 x 240 pixels) "Measuring" indicator (color: green): RUN Trigger indicator (color: blue): ENABLE Judgment indicator (color: orange): OUTPUT Error indicator (color: red): ERROR 12 points (RESET, DSA, DI0 to 8, TRIG) 22 points (OR, ERROR, RUN, ENABLE, GATE, STGOUT0, DO0 to 15) NPN PNP 1 port, FULL SPEED, MINI-B connector 1 port, max. 115200 bps (cannot be used simultaneously with RS-422 interface) 1 port, max. 115200 bps (cannot be used simultaneously with RS-232C interface) 1 port, 100BASE-TX/10BASE-T Analog RGB output, 1 ch (resolution VGA: 640 x 480) SD card slot 1 ch Touch panel, key operation, console connection 32 banks 128 items/1 bank Pattern search, sensitive search, flexible search, graphic search Area, labeling Position, width, count Brightness, HUE Defects, grouping Barcode (WPC/JAN/EAN/UPC), Code 39, Codebar (NW-7), ITF (Interleaved 2 of 5), Code 93, Code 128, GSI-128, GSI Databar, Pharmacode) Datamatrix (ECC200, QR Code, MicroQR Code, PDF417, MicroPDF417, Maxi Code, AZtec Code, Codablock) 1 model search, 2 model search, position, area, labeling Max. @@@@ @@@@ @200 mA consumption Approx. 350 mA (15 VDC: approx. 150 mA, 48 VDC: approx. @ @200 mA (15 VDC: approx. 150 mA, 48 VDC: approx.

approx. @ @600 g Approx. 80 g (including mounting fixture and cable) Ferrite core 2 p'ces, Instruction Sheet Instruction Sheet Material Case: ABS, mounting fixture: PBT Weight Approx. 200 g (including mounting fixture and cable) Accessories mounting fixture (ZFV-XMF) 1 p'ce, Ferrite core 2 p'ce, Instruction Sheet mounting fixture (ZFV-XMF) 1 p'ce, Ferrite core 2 p'ces, Instruction Sheet *1. *2. 3Z4S-LT are not yet released for overseas. Applicable standards IEC60825-1:1993 +A1:1997 +A2:2001, EN60825-1:1994 +A2:2001 4 Vision Systems 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 Camera distance A (mm) 10000 t0 3Z4S-LE 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). t1.

5 1000 t2 t5 t1t0.5 t0.5 t1.5 t1 t0.5 t2 t1.5 t2 t1 t0.5 t1.5 t0 t0 t0 t0 ML-0614 ML-0813 ML-1214 ML-1614 ML-2514 ML-3519 ML-5018 Camera Extension Tube thickness: t (mm) t10 t15 t5 t25 t20 t35 t30 t10 t15 t40 t5 t20 t2 t1 t25 t10 t0.5 t20 t15 t1.5 100 t5 t1 t2 t0. 5 t10 t1.5 t1 t0 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. @ @30 30 dia. 34.5 30 dia. 34.5 30 dia. 24.5 30 dia. 24.

5 30 dia. 29 32 dia. 37 32 dia. 42.5 32 dia. 43.9 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 Focal length 6 mm Brightness Filter size F1.4 M27 P05 8 mm F1.3 M25.5 P0. 5 12 mm F1.4 M27 P0.5 16 mm F1.4 M27 P0.5 25 mm F1.4 M27 P0.5 35 mm F1.9 M27 P0.5 50 mm F1.8 M30 P0. 5 75 mm F2.7 M30 P0.5 100 mm F3.5 M30 P0.5 ZFX 5 External Dimensions (Unit: mm) Controllers ZFX-C20/C25-CD 145 (130) 4 15 122 97. 5 (90) 7.5 32 (130) 72 52 4.5 82 (75) 6.58 38.42 Optional Lighting ZFV-LTL01 ZFV-LTL04 7 60. 23 100±0.1 62 100±0.1 20 Two sets of three, M3 Depth: 5 37.4 29 8 14 20±0.1 10.7 20 Mounting Hole Dimensions Four, M4 (through-hole) Mounting Hole Dimensions P5.8 × 9 = 52.2 165.4 140 33 3.2 90° 59.

9 +100 2000 0 8±0.1 20 85 165.4 85 140 100 P5.8 × 9 = 52.2 350 +35 0 62 69 74 Two, M3 Depth: 5 .



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