

# KX-CF5102LQ-A

## 5MP Full-color HDCVI Quick-to-install Eyeball Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- Max 25 fps@5MP (16:9 video output)
- 120dB true WDR, 3D NR
- 24/7 color imaging
- 20 m illumination distance
- CVI/CVBS/AHD/TVI switchable
- Built-in mic (-A)
- 3.6 mm fixed lens (2.8 mm optional)
- IP67, 12 V DC
- Quick-to-install eyeball saves installation time



Camera																
Image Sensor	5MP CMOS															
Max. Resolution	2880 (H) × 1620 (V)															
Pixel	5MP															
Scanning System	Progressive															
Electronic Shutter Speed	PAL:1/3 s–1/100,000 s NTSC:1/4 s–1/100,000 s															
S/N Ratio	> 65 dB															
Min. Illumination	0.001 Lux/F1.0, 0 Lux warm light on															
Illumination Distance	20 m (65.61 ft)															
Illuminator On/Off Control	Auto; manual															
Illuminator Number	1															
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°															
Lens																
Lens Type	Fixed lens															
Mount Type	M12															
Focal Length	2.8 mm; 3.6 mm															
Max. Aperture	F1.0															
Field of View	2.8 mm: H: 112°; V: 57°; D: 132° 3.6 mm: H: 88°; V: 46°; D: 104°															
Iris Type	Fixed iris															
Close Focus Distance	2.8 mm: 1.6 m (5.25 ft); 3.6 mm: 2.3 m (7.5 ft)															
DORI Distance	<table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8 mm</td> <td>67.4 m (212.3 ft)</td> <td>27.0 m (88.6 ft)</td> <td>13.5 m (44.3 ft)</td> <td>6.7 m (22.0 ft)</td> </tr> <tr> <td>3.6 mm</td> <td>80.0 m (262.5 ft)</td> <td>32.0 m (105.0 ft)</td> <td>16.0 m (52.5 ft)</td> <td>8.0 m (26.2 ft)</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	2.8 mm	67.4 m (212.3 ft)	27.0 m (88.6 ft)	13.5 m (44.3 ft)	6.7 m (22.0 ft)	3.6 mm	80.0 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 m (26.2 ft)
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Video		
Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H	
	Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
	BLC	BLC/HLC/WDR/HLC-Pro
	WDR	120 dB
	White Balance	Auto; Area WB
Gain Control	Auto; manual	
Noise Reduction	3D NR	
Smart Light	Yes	
Mirror	Off/On	
Privacy Masking	Off/On (8 areas, rectangle)	
Port		
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port	
Audio Input	One channel built-in mic (-A)	
Power		
Power Supply	12 V ±30% DC	
Power Consumption	Max 4.4 W (12 V DC, warm light on)	
Environment		
Operating Temperature	–40 °C to +55 °C (–40 °F to +131 °F); < 95% (non-condensation)	

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Storage Temperature	-40 °C to +55 °C (-40 °F to +131 °F); < 95% (non-condensation)
Protection Grade	IP67
<b>Structure</b>	
Casing	Metal inner core + plastic cover + plastic pedestal
Camera Dimensions	φ97.1 mm × 91.4 mm (φ3.82" × 3.6")
Net Weight	0.24 Kg (0.53 lb)
Gross Weight	0.37 Kg (0.82 lb)
<b>Dimensions (mm[inch])</b>	

