

FXCAMd 102 technical sheet

WVGA, B&W, IR camera for ITS traffic and access control systems

Model number **d102**

CAMERA

Sensor Size (H x V pixels)	752 x 480
Sensor	B&W, Progressive scan CMOS
Optical Size	1/3"
Pixel Size (in μm)	6.0 x 6.0
Max Frame Rate (at full resolution)	60 frames/sec
Video output format	RAW, 8 bit grayscale
Exposure Control	Global shutter, software adjustable 1/100..1/30000 s
Communication interface	RJ45, 100 Mbit/sec
Internal memory	For 60 full frames
Light sensor	Included, Adjustable for switching day/night mode
Filter	IR pass (720 nm-)

LENS

Lens type	6-36 mm varifocal, Motorized
Iris, Focus, Zoom	Remote control focus, iris, zoom
Effective range for ANPR	3 - 20 m

ILLUMINATION

Type	Array of high quality IR LEDs, Controlled and synchronised flash
Wavelength	Default 850 nm (other wavelength upon request)
Intensity	4 preconfigured modes (Low, Normal, High, Ultra)
Flash time	Software adjustable, up to 950 μs

MECHANICAL/ELECTRONICAL

Power requirement	24-28 VAC or 30-36 VDC
Power consumption	Avg. 10 W, Max. 15 W
Dimensions (L x W x H)	w/o sunshield: 168 mm x 125 mm x 145 mm including sunshield: 330 mm x 150 mm x 157 mm
Weight	Camera: 2.9 kg, Sunshield: 1.0 kg, Bracket: 0.6 kg
Conformity	CE, FCC, RoHS
IP rating	IP 67
Housing Color	RAL 9007 (Other colors are available upon request)
Temperature range	-20 °C to +55 °C (extra heating available)
I/O ports	Opto in * <input checked="" type="checkbox"/> Opto out ** <input type="checkbox"/> Serial RS232/S <input checked="" type="checkbox"/>

* Opto isolated input for trigger-in, 5..12 VDC

** Opto isolated output (open drain 5-24VDC, 20mA max,

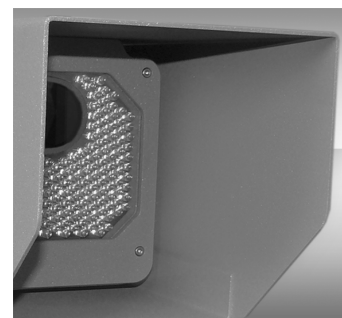
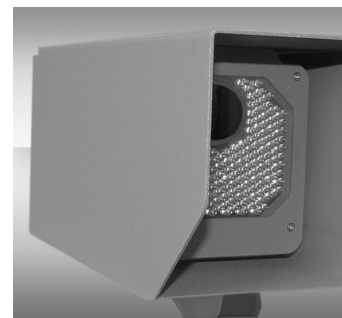
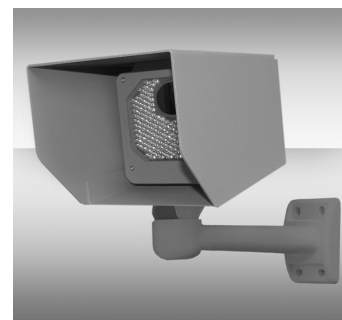
SOFTWARE

Supported platform	Linux and Windows
SDK	C, C++, C#, VB.NET, Java, OCX
Add-on features	Configurator, Management tool for multiple cameras Auto brightness control designed for license plate recognition, Automatic day-night mode switch, Autofocus

BRACKET

Dimensions (L x W x H)	204 mm x 80 mm x 120 mm
Weight	0.6 kg

Technical specifications are subject to change without prior notice



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