



FV61/63 Series

Compact Industrial Barcode Scanner

infoscan FV61/63 series adopts rich light source combination and various lens configurations as well as built-in image processing and DPM algorithm. The product has excellent DPM code reading ability and good dynamic code reading performance, it is an appropriate choice for various applications of industrial manufacturing.

Product Features

■ Code reading performance is excellent

Quickly read the paper/engraving/spray code and other barcodes; Even in the face of slightly stained or distorted barcodes, they can be decoded and corrected by built-in rich image processing technology, so they are fully suitable for various applications.

■ Automatic optical focusing(FV63 series)

Micro-drive technology is used to achieve automatic optical focusing at different reading distances, so the installation distance is no longer a problem.

■ Industrial grade design

The design of IP65/aviation connector/anti-drag cable can adapt to harsh working environment. Compatible with mainstream communication mode and industrial bus protocol, convenient for supporting integrated communication with industrial automation equipment.

■ Powerful optical configuration

In a compact device, a variety of lighting combinations are built-in, which can provide the best lighting scheme for different coding methods. Two different focal length models (4mm and 6mm) are available to meet the requirements of reading distance and field of view.

Industry-oriented



Automated production line integration



Laser/spray code and other code matching



Robot



Integration of test instruments



Automation equipment integration

Technical specifications

Sensor type	1/4 inch CMOS sensor, global shutter
Sensor resolution	1024x800
Acquisition speed	Up to 72 FPS
Trigger mode	Command trigger; I/O trigger; Continuous reading mode; Key trigger
I/O type	2 isolated inputs; 2 isolated outputs
LED indicator	4 LED indicators (power, reading success, reading failure, autofocus and parameter adjustment, etc.)
Illumination source	Combined light source/polarized light source/highlight light source; White/Red/Blue LED Light Source
Focus mode	FV61 series:Fixed focus FV63 series:Autofocus
Lens focal length	FV61/FV63 : 4mm , FV61L/FV63L : 6 mm
Aiming mode	Laser aiming
communication protocol	RS232, TCP/IP , Profinet , Modbus TCP
Operating voltage	5VDC/24VDC
Power consumption	2.5 W standby; 11.5 W peak;4 W (average) (Note 1)
Shell material	Aluminum Alloy
Weight	130 g
Product size	57mmx42mmx28.5mm (L x W x H)
Operating temperature	-10 ~ 50 °C
Storage temperature	-20 ~ 70 °C
IP rating	IP65
Certification	CE、RoHS
Supported code systems and characters	Readable 1D, 2D and stacking codes in accordance with national and international standards
Highest reading accuracy	1D bar code: 1.8 mil / 2D bar code: 3 mil

Note 1: The value is measured when the working voltage is 24VDC and there is no external load.

Note 2: USB communication shall use the specified model and use 5V power supply.

Reading distance and visual field

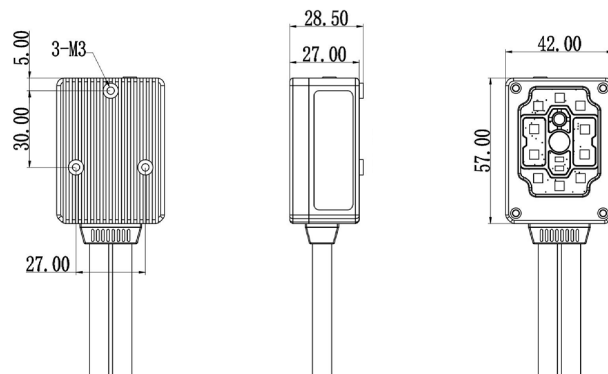
Code system/density	FV63 series (4mm)		FV63L series (6mm)		FV61 series (4mm)	
	Near-est	Farth-est	Near-est	Farth-est	Near-est	Farth-est
3.34mil Code 128	40	130	45	160	45	122
5mil Code 128	30	185	40	240	40	170
6.67mil Code 128	30	250	40	330	28	220
10mil Code 128	35	350	35	490	28	260
15mil Code 128	35	445	45	730	35	339
20mil Code 128	45	630	55	930	45	430
3.34mil DataMatrix 10bit	30	65	60	100	NA	NA
5mil DataMatrix 10bit	35	80	50	105	57	85
6.67mil DataMatrix 10bit	35	110	43	170	40	115
10mil DataMatrix 10bit	30	180	40	255	32	188
15mil DataMatrix 10bit	30	285	35	375	30	230
20mil DataMatrix 10bit	35	385	40	480	30	312

Reading distance	FV63 series		FV63L series		FV61 series	
	X-axis field of view	Y-axis field of view	X-axis field of view	Y-axis field of view	X-axis field of view	Y-axis field of view
35	26	20	NA	NA	25	19
45	30	23	NA	NA	33	24
50	35	27	26	20	33	27
100	70	55	53	42	67	53
150	108	82	80	62	103	80
200	142	110	105	85	136	108
300	NA	NA	160	125	203	160

(Unit: mm)

Dimensions

(Unit: mm)



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