



FM600
IVD Scanners

Features

Powerful Deep Learning Function

Equipped with the high-performance deep learning platform and combined with traditional vision algorithm and AI algorithm, it requires less training time to achieve high accuracy with a small number of sample images. It is commonly used for visual inspection, sorting, measuring liquid level, color detection, OCR and multi-code scanning in IVD applications.

Integrated Algorithm Solution

Integrating deep learning algorithms into the device can bring analysis, efficiency and excellent performance, no need of the computer.

Modular Design

With modular design, sensors, lens, light sources and other components can be easily disassembled and replaced.

Adjustable Focus

Manually adjust the focus by rotating the knob to get sharp results and avoid images out of focus in the high-temperature environment.

Distance Sensing

High-precision distance detection is up to 500mm. When the sample comes closer, it will automatically capture the image. You can adjust the supplementary light based on the distance.

Dual Aimers

With two aimers, accurately and automatically focus on the target to take the shot.

Ultra-Compact Design

This miniature smart camera is easily integrated into the stand-alone equipment.

IP65-Sealed Housing

The housing is sealed to an IP65 rating, durable and secure.

Wide Voltage Input

Support voltage ranges from 12 to 36VDC.

Multiple Interfaces

It provides RS-232, Ethernet, and USB interfaces to meet different needs.

Suggested industries



IVD & Laboratory



Healthcare

FM600 Technical specifications

Data Capture

1D	All major 1D symbologies
Image Sensor	1440*900CMOS, 1920*1200CMOS (TBD); mono, color
Aiming	Green LED*2 (TBD)
Illumination	White LED*4 (default), controlled separately; available in red, white, blue and infrared; extensible supplementary light solution (TBD)
Scan Rate	60 frames/sec
Field of View/Focal Length	H42°*V27°/7.5mm; H60°*V40°/5.0mm; H89°*V62°/3.2mm
Lens	Lens with high transmittance (default); Optical filter and polarizer (optional)
Focus	Manual focus
Beam Exit	Scan window with front beam exit
Minimal Print Contrast	25%

Physical

Buttons	Key*2 (TUNE, TRIG)
Current @ 24VDC Operating	TBD RMS (typical), TBD (max.)
Dimensions (mm)	37(W) × 55.5 (D) × 42.5(H) mm
Housing	Aluminium
Input Voltage	12-36VDC
Interfaces	Ethernet, RS-232, USB
Notifications	LED indicator, beeper
Notifications	LED*4 (STATUS, READ, TRAIN, NET)
Power Consumption	TBD
Weight	TBD

Environmental

Ambient Light	≤5000lux
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	5%~95% (non-condensing)
IP Rating	IP65

Software

Configuration Tools	EasySet
---------------------	---------

Warranty

Standard	2 years
----------	---------