

Dokivision

Scan Engine E20



Ultra-Compact Design

With a slim profile (6.8mm height) and weighing typically just 2.6g, it is perfectly suited for space-constrained integrations.



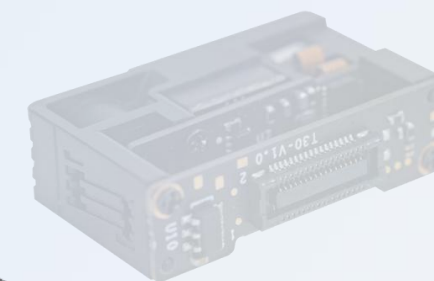
High-Performance Imaging

It features a 1280×800 global shutter CMOS sensor capable of up to 60fps, paired with red laser aiming for precise data capture.



Rugged Durability

Built to withstand harsh environments, it operates from -20°C to $+50^{\circ}\text{C}$ and can survive 1.2m drops to concrete.



Supermarket



Payment



Self-order



Mall



Unattended



Parking

Category / Item	Specification Details
PERFORMANCE	
Image Sensor	Mono CMOS
Resolution	1280(H) * 800(V)
Shutters	Global shutter
Frame Rate	Up to 60fps
Illumination / Aiming	White light / Red laser
Symbologies	2D: Aztec Code, Han Xin Code, Data Matrix, Maxi Code, Micro QR Code, QR Code, etc. 1D: Standard one-dimensional code Postal Code: Australian Post, British Post, China Post, Japanese Post, KIX Post, Korea Post, Planet Code, Postnet, Royal Mail Code (RM4SCC), etc.
Reading Range(DOF*)	EAN-13 13mil:45~590mm ; DOF (Code 39 20mil):45~930mm ; DOF (Code 39 10mil):65~470mm ; DOF(Code 39 5.5mil):70~340mm ; DOF(Code 39 3.9mil): 60~220mm ; DOF (Data Matrix 15mil):50~420mm ; DOF (Data Matrix 10mil):50~300mm
Resolution	1D: 2.5mil, Data Matrix: 5mil, PDF417: 3mil
Contrast of symbols	≥20%
Scan angles	tilt: 180° , pitch: ± 60° , skew: ± 60°
FOV	Horizontal 36.0° , Vertical 28.0°
ELECTRONIC	
Weight	2.6g (typical)
Dimensions	23.4(W)x16.15(D)x6.8(H) mm
Operating Voltage	VCC: 3.0~3.6V; VCC_IO: 3.0~3.6V
Operating Current	108mA (Maximum) @ VCC 3.3V
Standby Current	65mA (Maximum) @ VCC 3.3V
ENVIRONMENTAL	
Temperature (Op/Storage)	Operating: -20°C~+50°C Storage: -40°C~+85°C
Relative Humidity	5-95% Non-condensing
Operating Vibration	10~150HZ, 0.5G, triaxial direction, 1min/oct, 1 time/axial
Durable Vibration	10~150HZ, 2G, triaxial direction, 1min/oct, 20 times/axial
Fall Test	Withstand 1.2m drop to cement floor (50 times of 1.2m repeated)



Dokivision

block B,no.88,ximei Rd,wuxi City,JiangSu Provice.china



Email Support

info@dokivision.com



Direct Contact

+86 021 25460014