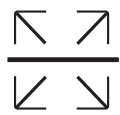


2D Industrial Barcode Scanner

X81



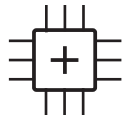
Industrial code



High speed scanning



High-precision



Strong decoding



ESD protection



Housing IP

GENERAL FEATURES

- Megapixels global shutter camera, fast reading speed 60fps/s
- High performance on industrial DPM code reading
- Stylish appearance, rugged design, 1.8M drop-proof
- Dust proof, spray proof, waterproof, IP65 sealing
- Compatible with Linux, Android, Windows XP7/8/10/MAC OS
- 100% self-independent technology, support online upgrade
- Widely be used in warehouses, logistics, and production systems



X81

Specifications

Physical Characteristics

| | |
|--------------------|---------------------|
| Dimensions: | 92mm x 75mm x 188mm |
| Weight: | 215.4g |
| Housing Material: | PC,TPU |
| Power Consumption: | 2.5W max |
| Power Supply: | 5VDC |

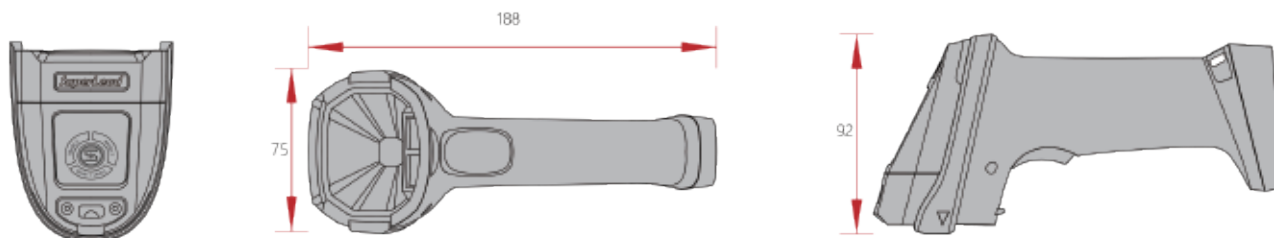
Performance Characteristics

| | |
|-----------------------|--|
| Image(Pixels): | Global shutter,1280 x 1080,60FPS |
| Light Source: | White point light,red low angle ring light,red / blue dome light |
| FOV: | SR/HD/ER:Horizontal 40 degrees,XD:Horizontal 35 degrees |
| Roll/Pitch/Yaw: | (Roll) 360°, (Pitch) ±60°, (Skew) ±60° |
| Print Contrast: | ≥15% |
| Interfaces Supported: | RS232,USB COM,USB HID Keyboard |
| Decode Capability: | 1D: Code128,Code93,Code39,Interleaved 2 of 5,Industrial 2 of 5,IAN/EAN/UPC |
| | 2D: QR,DataMatrix,PDF417,Aztec |

User Environment

| | |
|-------------------------|---|
| Temperature Range: | Working temperature:0°C~50°C,Storage temperature:-20°C~70°C |
| ESD Protection: | Contact discharge:± 8Kv,air discharge:± 15kV,coupling discharge:± 8Kv |
| Housing IP: | IP65 |
| Drop Resistance: | 1.8m cement ground,free fall,6 sides x 5 times / side =30 times |
| Ambient Light Immunity: | 100,000 Lux. |

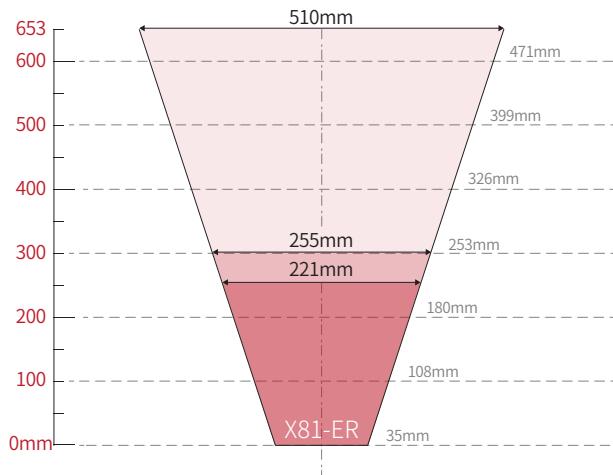
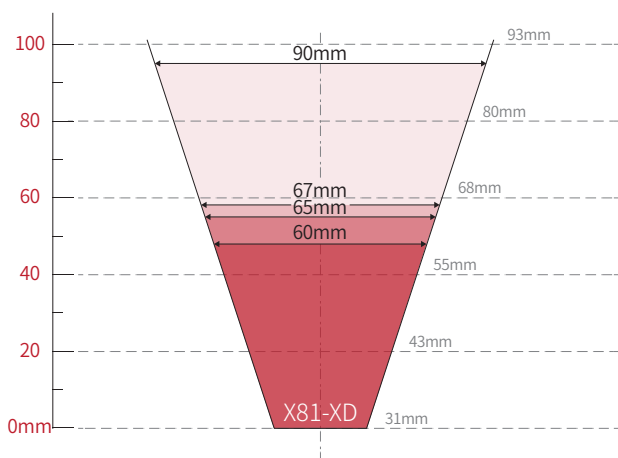
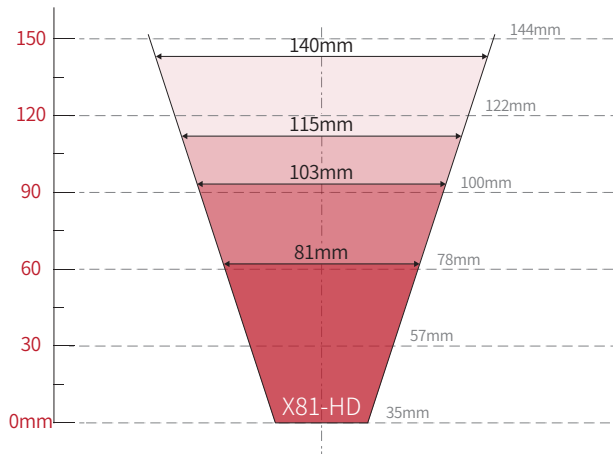
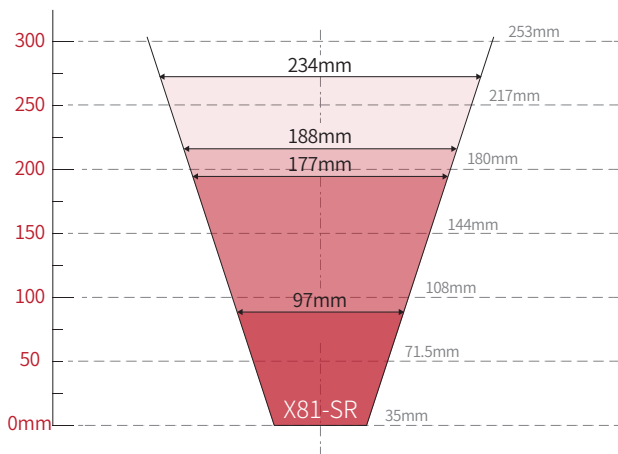
Dimensions



Unit:mm

X81

Field of View and Depth of Field



| model | C128_3.15mil | C39_5.15mil | C128_8mil | C128_10.15mil | UPC-13mil | C128_20mil |
|--------|--------------|-------------|-----------|---------------|------------|------------|
| X81-SR | 16mm-101mm | 0mm-195mm | 0mm-205mm | 0mm-249mm | 10mm-273mm | 21mm-395mm |
| X81-HD | 0mm-65mm | 0mm-94mm | 0mm-119mm | 10mm-130mm | 0mm-145mm | 31mm-206mm |
| X81-XD | 0mm-43mm | 0mm-55mm | 11mm-72mm | 24mm-83mm | 22mm-95mm | 46mm-145mm |
| X81-ER | 69mm-130mm | 25mm-256mm | 0mm-456mm | 4mm-515mm | 0mm-653mm | 19mm-800mm |

| model | DM ECC200 18*18 3.14mil 1.5mm*1.5mm | DM ECC200 18*18 4.40mil 2.0mm*2.0mm | DM ECC200 18*18 6.65mil 3.0mm*3.0mm | DM ECC200 18*18 10.13mil 4.0mm*4.0mm | DM ECC200 18*18 11.15mil 5.0mm*5.0mm |
|--------|---|---|---|--|--|
| X81-SR | — | 30mm-85mm | 15mm-139mm | 16mm-165mm | 5mm-210mm |
| X81-HD | 0mm-52mm | 0mm-63mm | 0mm-82mm | 0mm-108mm | 0mm-110mm |
| X81-XD | 10mm-40mm | 15mm-47mm | 0mm-46mm | 0mm-50mm | 0mm-58mm |
| X81-ER | — | — | 43mm-165mm | 25mm-276mm | 17mm-303mm |