

## **3D8 Red 8\*8\*8 LED Cube DIY Kit**

3D8 8\*8\*8 LED cube is a DIY kit. User should weld and install it.

3D8 is the all-in-one a work of art, such as a C language, electronic technology. It is reality, economical and highly cost effective. It doesn't just use for decorate, but also can help you learn more professional knowledge about electronic. And you can achieve more and more gorgeous effect.

### **1. Dynamic 3D effect:**

- 1>.Pyramid
- 2>.Rain graphic effect
- 3>.Leaping graphics effect
- 4>.Rotating graphic effect
- 5>.Square move effect
- 6>.Square light move effect
- 7>.Lamp standard rollover effect
- 8>.Square magnify and shrink effect
- 9>.Reverse lamp
- 10>.Triangle three-dimensional graphics rotation effect
- 11>.Article lamp running effect
- 12>.Pull screen graphics effect

13>.Fast and slow display

## 2. Parameter

1>.Power supply voltage: 4.5~5.5V

2>.PCB size: 11.1\*12.7CM

## 3. Listing (some components more than need)

NO.	Component	Number	Parameter	Quantity
1	PCB circuit board			1
2	Red Light LED		3mm	512
3	1*40P Round female pin			2
4	DIP-20 IC Socket	U1~U8		8
5	74HC573	U1~U8	DIP-20	8
6	USB to DC005 cable			1
7	DC005 Socket			1
8	DIP-18 IC Socket	U9		1
9	ULN2803	U9	DIP-18	1
10	DIP-40 IC Socket	U10		1
11	STC12C5A60S2(with code)	U10	DIP-40	1
12	A09-103 Resistor	J1	10K ohm	1
13	8*8 Self-locking Push Switch	S1		1
14	Electrolytic Capacitor	C1,C4	10UF 25V	2
15	Crystal Oscillator	Y1	12Mhz	1
16	Ceramic Capacitor	C2,C3	22PF	2
17	Resistor	R3~R10	470 ohm	8
18	Resistor	R1,R2	4.7K ohm	2
19	Red LED	D1	3mm	1
20	0.8 single conductor			1