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Barcode type	Information density	Information capacity	Information type	Dependence on database	Nature				
1D	Low	Small	Numbers, English	Must depend on database or communication network	Object label & index				
2D	High	Big	Numbers, English, Chinese, pictures, voice and other binary information	No depend on database or communication network	Description on objects				
		:	Source: syscantech	n.com					

2D barcode VS other automatic identification technologies										
Information media	Magnetic card	OCR identification	Biological identification	RFID	2D barcode					
Identification speed	0.3-2s	4-8s	1 – 5s	0.3-0.5s	0.3-1s					
Bit error rate	Up to life of magnetic media	1/ 1,000	1/300	Up to noise and angle	1/1,000,000					
Technical advantage	Portable and data rewritable	Quick in image and symbol operation	Non- counterfeitable	Quick and batch processing	Quick and accurate					
Print cost	Intermediate	Low	High	Very high	Very low (only ink cost)					
Sample		and the second s	579	EK	CARDON CONTRACTOR					
Center	42									



























































