

## CIS for Banking

ATM, Recycler, Banknote Sorter/Counter, Check Reader, Gaming / Lottery Applications, Copier / Wide Format Scanner Applications, Medical Applications, etc.  
(Urine test instrument, culture vessel scanner, etc.)

### Features

Scanning Width: 12mm – 216mm  
 Clock Speed: 2MHz – 16MHz  
 Light Source: R/G/B/IR/UV/White LED  
 Resolution: 50dpi – 600dpi  
 Focus Position: 0mm – 3mm



### Double Light Guide Product

	SWL Series	UVL Series	UVA Series	Q Series
Scanning Width	12 - 216mm			
Resolution	50/100/200dpi			
	300/600dpi			
Number of Light Source	max 4 color LED	max 4 color LED + UV LED		max 4 color LED + UV LED + Transmission LED
Light Source	R/G/B/IR(940nm)/	R/G/B/IR(940nm)/IR(880nm) + UV		
	IR(880nm)	※dedicated light guide for UV		
Focul Distance	0.0 - 3.0mm			
Clock Frequency	max 16MHz			
Data Output	1 - 6 output			
Width	min 18mm			min 25mm

ULM5 Series	
Scanning Width	108 - 216mm
Resolution	50 - 1200dpi
Number of Light Source	max 5 color LED (with UV)
	max 6 color LED (without UV)
Light Source	R/G/B/IR(940nm)/IR(880nm)/UV
	※all light soure integrated in the same light guide
Focul Distance	max 0.9mm
Clock Frequency	max 16MHz
Data Output	1 - 6 output
Width	min 18mm

### Single Light Guide Product

	FC Series	FW Series	VC Series	LC Series	LT Series	SML Series ※Enhanced Light Source Uniformity
Scanning Width	12 - 216mm					
Resolution	100/200/400dpi		50/100/200dpi			
					300/600dpi	
Number of Light Source	max 3 color LED				max 4 color LED	
Light Source	R/G/B/IR(940nm or 880nm)				R/G/B/IR(940nm)/IR(880nm)	
Focul Distance	0.1mm	0.0 - 1.0mm	0.0 - 3.0mm			
Clock Frequency	max 8MHz	max 10MHz			max 16MHz	
Data Output	1 - 6 output					
Width	min 18mm	min 25mm	min 18mm			

ULM5 Series	
Scanning Width	108 - 216mm
Resolution	50 - 1200dpi
Number of Light Source	max 5 color LED (with UV)
	max 6 color LED (without UV)
Light Source	R/G/B/IR(940nm)/IR(880nm)/UV
	※all light soure integrated in the same light guide
Focul Distance	max 0.9mm
Clock Frequency	max 16MHz
Data Output	1 - 6 output
Width	min 14mm