



Columbo CNC



Columbo OEM



## FBI PIV FAP 30 CERTIFIED SINGLE-FINGER SCANNER



Amazingly small, incredibly durable,  
remarkably efficient FAP 30 scanner



IB's patented Light Emitting Sensor (LES) film  
produces the highest quality fingerprint  
images in the certified market



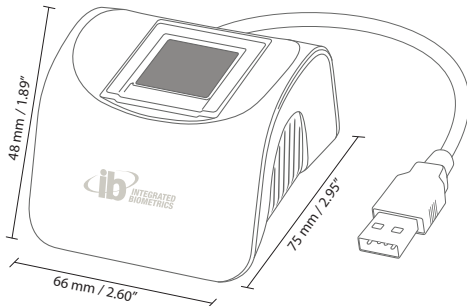
Applications: Standalone fingerprint scanner  
Embedded version for mobile applications  
also available

## BENEFITS

- Enables fingerprint capture in standalone applications, smartphones, and tablets
- Light weight (170gm/6oz)
- Single finger scan
- No membranes to replace
- Ideal for use with mobile computers
- Easy to integrate
- Requires no cleaning for latent fingerprints
- Excellent with dry and dirty fingers
- Durable and shock resistant
- Operates in direct sunlight

## PRODUCT OPTIONS

PRODUCT	PART NUMBER
<b>Columbo OEM</b>	
• Small Board: Solder Pins	IBHCIS1FR-04
• Small Board: Parallel Interface*	IBHCIS1FR-P
• Small Board: 4cm FPC	IBHCIS1FR-045
• Large Board: USB 2.0	IBHCIS1FR-02
• Large Board: Right Angle J6 Connector	IBHCIS1FR-03
• Large Board: 4cm FPC	IBHCIS1FR-025
<b>Columbo Desktop</b>	IBHCIS1FR-01
<b>Columbo CNC</b>	
• Small Board: CNC Bezel Solder Pins	IBHCIS1FR-041
• Small Board: CNC Bezel Parallel Interface	IBHCIS1FR-P041



## SPECIFICATIONS

<b>RESOLUTION</b>	500 PPI
<b>GRAYSCALE</b>	256 grayscale dynamic range
<b>SENSING AREA</b>	0.8" x 1.0" / 20.32 mm x 25.4 mm
<b>IMAGE SIZE</b>	400 x 500 pixels
<b>INTERFACE</b>	USB 2.0
<b>USB CERT SPEC</b>	USB-IF USB.ORG
<b>USB LEVEL</b>	4.40V – 5.25V
<b>PRODUCT WEIGHT</b>	170g / 6 oz. (Columbo OEM: <70g)
<b>SUPP. IMAGE FORMATS</b>	RAW, JPEG2000, BMP, PNG, W5Q
<b>OPERATING TEMP</b>	-10°C ~ +55°C / 14°F ~ 131°F
<b>STORAGE TEMP</b>	-30°C ~ +60°C / -22°F ~ 140°F
<b>HAZARDOUS MATERIAL</b>	RoHS Directive 2002/95/EC
<b>HUMIDITY</b>	30~85% RH < 40°C / 104°F (Non-condensing)
<b>INGRESS PROTECTION</b>	IP54 Case Bezel to Film
<b>FCC/CE CONFORMANCE</b>	FCC Part 15 (per ANSI C62.4:2003) Class A, CSA ICES-003 Class A, CE Emissions: EN 55022:2006 Class A, CE Immunity EN 55024:1998/A1:2001/A2:2003, IEC 61000-4-2
<b>SCANNER ASSEMBLY DIMENSIONS</b>	66mm x 75mm x 48mm / 2.60" x 2.95" x 1.89 (Columbo OEM: 46.5mm x 39mm x 27.5mm)
<b>POWER CONSUMPTION</b>	DC Current: Standby <50mA / Full Scanning <115mA
<b>AIR DISCHARGE / CONTACT DISCHARGE</b>	In compliance with IEC 61000-4-2
<b>API INTERFACE</b>	Single-finger Image Multi-device / Multi-thread support
<b>SURFACE DURABILITY</b>	MIL-C-675c 4.5010, MIL-STD-810F
<b>SURFACE RESISTANCE</b>	Ammonia, IPA, Methanol, Soaps/Detergents, Salt Water
<b>VIBRATION TEST</b>	per MIL-STD-810F (Method 514.5), Category 24, Fig. 514.5C-17
<b>FBI CERTIFICATION</b>	PIV 071006, FIPS 201, FAP 30 / Certified to Mobile ID Requirements
<b>OS SUPPORT</b>	Windows 7, Windows 8.X, Windows Server, Windows Mobile 6.5, Linux, Android 4.0 (or higher)

