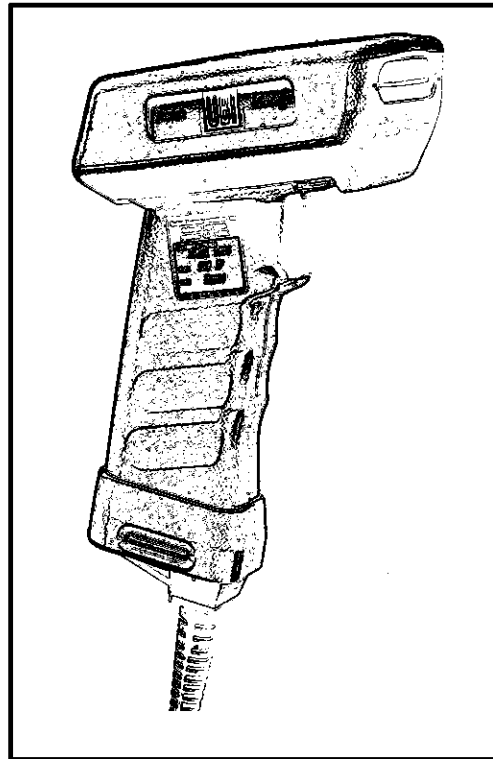
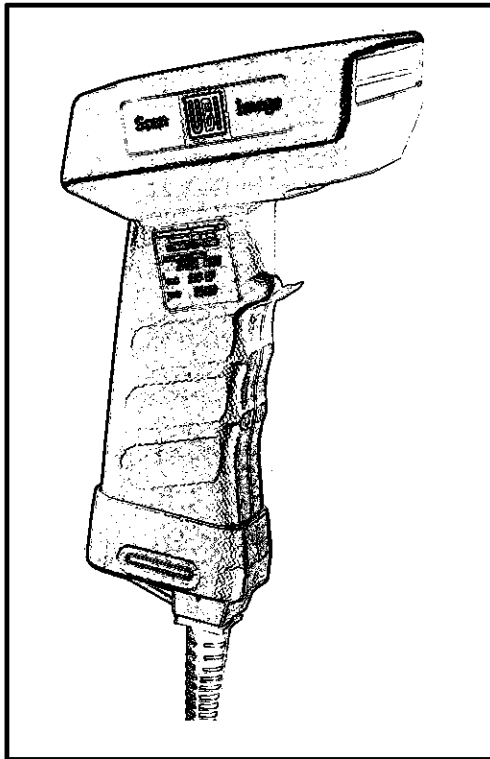


SCANIMAGE

INTEGRATED HAND-HELD BAR CODE LASER SCANNER



Model HP

The ScanImage HP (High Performance) offers an extended depth of field, from contact to several feet, depending on the model and density of the code. Its innovative electro-optical design affords aggressive "snappy" reading of bar codes typically found in "real-world" applications. The ScanImage HP can also be used with the optional Autostand, which allows the scanner to read codes placed under it in a "hands-free" mode. When the scanner is removed from the Autostand, it reverts to its normal mode of trigger activation. ScanImage HP scanners are the right choice for non-contact reading of codes in retail, commercial, institutional, and other applications where fast reading and high reliability are at a premium.

ScanImage is UBI's popular line of hand-held laser scanners with on-board decoding and interfacing. Models HP and IP — the latest generation of ScanImage — bring a new level of performance and reliability to non-contact bar code scanning applications.

Model IP

The ScanImage IP (Industrial Performance) sets a new standard for durability and ruggedness in a hand-held scanner. All major components and assemblies have been strengthened. A heavy-duty strain relief has been added to the cable. And a rubber boot protects the case and provides extra shock absorption. As a result, ScanImage IP scanners will sustain multiple six-foot drops to concrete. They also come with the industry's longest standard warranty: 15 months. ScanImage IP scanners are the ideal choice for heavy use in industrial, warehouse, distribution center, and shop floor environments. Their low temperature rating and reduced power consumption also make them a superior choice for portable applications.

F E A T U R E S

Excellent Depth of Field - The standard ScanImage reads from contact to 40 inches (102 cm). Long range models read to 76 inches (168 cm) or more.

Superior Resolution - The standard ScanImage reads codes with a narrow bar width of 5.0 mil (.13 mm); the high density model reads tiny 2.0 mil (.05 mm) narrow bars.

Ergonomic Design - ScanImage weighs only 7.2 to 9.7 ounces (229 to 246 grams), depending on the model. Its compact design affords the operator great comfort even during extended use.

Exceptional Durability - ScanImage HP is built to withstand a 5-foot (1.3 meter) drop to concrete. ScanImage IP withstands multiple 6-foot (1.5 meter) drops.

Direct Connection - ScanImage's RS-232, wedge, and cash register interfaces are on-board. No external decoder is required. ScanImages are compatible with UBI's cable management module (CMM) system.

Dual Processor Architecture - One processor monitors performance of the scan engine; the second handles decoding and interfacing to the host system.

B E N E F I T S

Broad Family of Models - Whether the application calls for reading high density codes, or long range scanning; whether it requires interfacing to a terminal, serial port, or cash register, UBI offers a ScanImage perfectly suited to the application.

Extensive Interfacing - By offering the industry's widest range of interfaces, UBI's ScanImage allows the user to move the scanner from one platform to virtually any other.

User Programmability - The user establishes all key parameters, including the code type to be read, the interface to be selected, and the format of the data to be output, by means of bar code menus in the user's manual. The scanner can easily be reprogrammed to take advantage of unused software features, or to adapt to changes in the application.

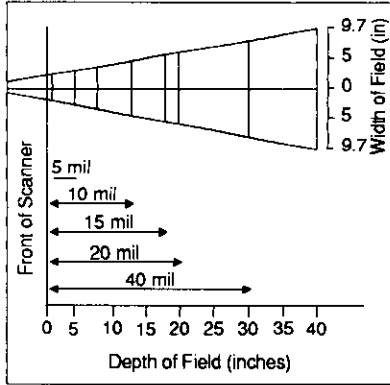
Advanced Optical Technology - The optics of ScanImage's advanced scan engine are designed to eliminate parallax between scanning and collecting beams and each unit includes enhanced automatic gain control. As a result, the ScanImage can easily read the most demanding codes even at long ranges, on rough or uneven surfaces, through glass, or in bright ambient light.

Hands-Free Stand Option - A special stand is available that allows both HP and IP ScanImage models to work in a hands-free mode, but revert to their normal method of trigger activation when temporarily removed from the stand to read large or bulky items.

Full Range of Accessories - ScanImage's accessories allow it to be suspended from above or worn at the waist.

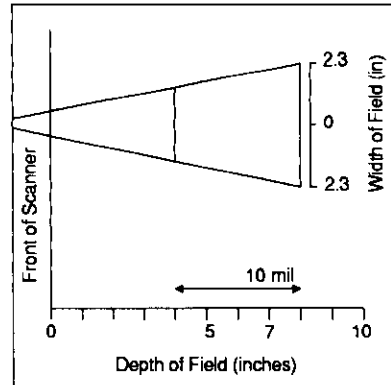
Depth of Field and Scanning Zones

ScanImage 91X HP and IP



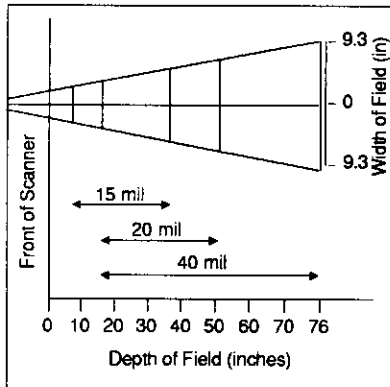
Standard Optics
28° scan angle

ScanImage 92X HP and IP



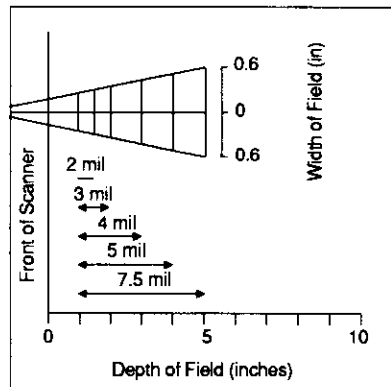
Through Windshield
38° scan angle

ScanImage 95X HP and IP



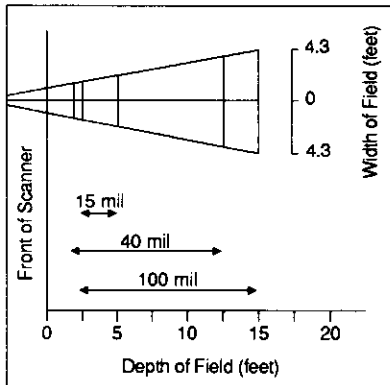
Standard Long Range
14° scan angle

ScanImage 96X HP and IP



Ultra High Density
14° scan angle

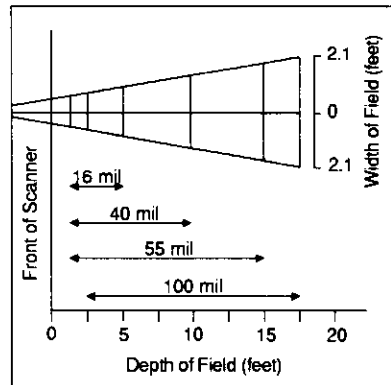
ScanImage 97X HP and IP



Extra Long Range
14° scan angle

May be used with retroreflective labels for greatly increased depth of field.

ScanImage 99X HP and IP



Ultra Long Range
14° scan angle

S C A N I M A G E

I N T E R F A C E S

- * **Undecoded** for connection to UBI's MaxiBar and MagScan (Model 9X0).
- * **Wand emulation** for connection to UBI's MiniBar and O.E.M. scanners (Model 9X1).
- * **RS-232** for connection to a serial port, or as a dual port device for connection on the serial communications line between a terminal and host (Model 9X2).
- * **IBM 4683** for connection to IBM 4683 and 4684 electronic cash registers (Model 9X3).
- * **OCIA** for connection to NCR, TEC, and other registers (Model 9X5).
- * **Parallel** for connection to Fujitsu and other registers with parallel interfaces (Model 9X6).
- * **Wedge** for connection to terminals and PCs in keyboard emulation mode (Model 9X7).

S P E C I F I C A T I O N S

MODEL	91X HP and IP	92X HP and IP	95X HP and IP	96X HP and IP	97X HP and IP	99X HP and IP
	(standard)	(through glass)	(long range)	(ultra high density)	(extra long range)	(ultra long range)
OPTICAL CHARACTERISTICS						
Light source	VLD 0.8 mW	VLD 1 mW		VLD 0.45 mW	VLD 2.1 mW	VLD 2.8 mW
Wave length	670 nm					
Laser class	class II				class IIIa	
Scan Rate	35 scans/s	32 scans/s	35 scans/s	30 scan/s	20 scans/s	25 scans/s
Maximum pitch	± 55 degrees					
Maximum skew	± 65 degrees					
Print contrast ratio	50% minimum					
Ambient light immunity	8000 ft. candles, full sunlight					
BAR CODE FORMATS SUPPORTED						
Bar code formats	Code 39 (standard or full ASCII), UPC/EAN (in all lengths and variants), Code 16K, Code 49, Interleaved, Standard and Matrix 2 of 5, Code 128, Codabar, Ames, MSI, Plessey, Code 11, Code 93 (other codes available on request)					
ELECTRICAL REQUIREMENTS						
Power requirements	9X0 (undecoded): 4.5 to 14 VDC at 135 mA 9X3: 5.0 to 14 VDC at 220 mA 9X5: 5.0 to 14 VDC at 185 mA 9X1,2,7: 5.0 to 14 VDC at 165 mA					
PHYSICAL REQUIREMENTS						
Dimensions	HP: 5.6 L X 6.6 H x 2.8 W inches (14.2 L x 16.8 H x 7.1 W cm) IP: 5.8 L x 6.7 H x 3.0 W inches (14.7 L x 17.0 H x 7.6 W cm)					
Weight	9XX HP (undecoded): 7.2 oz. (204 g); 9X0 HP (decoded): 8.2 oz. (232 g) 9XX IP (undecoded): 8.7 oz. (326 g); 9X0 IP (decoded): 9.7 oz. (274 g)					
ENVIRONMENT						
Operating temperature	HP -18° to +50°C		IP -30° to +50°C			
Storage temperature	-40° to 158°F (-40° to 70°C)					
Relative humidity	5% to 95% (non-condensing)					
Electrostatic discharge	15kv to any external surface					
Shock	HP: Unit functions normally after five-foot (1.3-meter) drop onto concrete IP: Unit functions normally after multiple six-foot (1.5 meter) drops onto concrete					
Dust and rain	MIL STD 810 D Sections 506.2 and 510.2					
Operator interface	On-board beeper sounds on good read. LEDs show scan and good read conditions					

*ScanImage" is a trademark of United Barcode Industries, Inc.

All specifications apply to both models, HP and IP, except where indicated.

