

## Ultra Long Range Imagers

### AS-8312



The fast and accurate AS-8312 Long Range Imager scans 2-Dimensional symbols such as PDF417, RSS, and Code 16K, as well as the full range of barcode symbologies. With a rapid 450 scans per second, the AS-8312's performance is comparable to laser barcode scanners but at a much lower cost. With superior depth of field, this scanner delivers long range accuracy even in poor conditions. The durable AS-8312 is perfect for tough industrial environments. For retail checkout, the optional caddy allows hands-free scanning. Suitable for a wide range of applications, from professional offices to shipping & receiving, the AS-8312 Long Range Imager offers outstanding quality and performance.

Specifications	
Light source	630 nm visible red LED
Optical system	2048 pixel CCD (charge-coupled device)
Depth of scan field	Up to 600mm
Scanning width	160 mm
Scan speed	450 scans/sec
Current - sleep mode	25 mA @ 5VDC
Resolution	0.1mm(4mils) - Code 39, PCS=90 %, on contact
Print contrast	30% or more
EMC	UL,FCC Class B,CE
Scanning angle	Front: 60° Rear: 60° Yaw: 75°
Decode capability	Autodiscriminates all standard one-dimension barcodes; other symbologies can be ordered optionally
Cable - universal type	Coiled 2.5 m
Beeper operation	7 tones or no beep
Indicator	Green & Red LED
Length	164 mm
Cushion material	Double injection
Width-handle	30 mm
Width-head	78 mm

Depth-handle	56 mm
Depth-head	35 mm
Weight	176 g (cable not included)
Cable - K/B wedge	Coiled 2.5 m
Connector type	RJ-45 phone jack connector
Case material	ABS (over molded at contact pointed)
Input voltage	5 VDC $\pm$ 0.25V
Shock resistance	0°C to 50°C (32°F to 122°F)
Power - operating	800 mW
Power - standby	350 mW
Current - operating	160 mA @ 5 VDC
Current - standby	70 mA @ 5 VDC
DC transformers	Class 2; 5VDC @ 450 mA
Storage	-20°C to 70°C (-4°F to 158°F)
Humidity	5% to 90% relative humidity, non-condensing
Light level	Up to 70000 Lux
Shock	1.5m drop onto concrete
Programming method	Manual (reading special barcode) DOS command through RS-232, Windows configuration program
Contaminants	Sealed to resist airborne particulate contaminants
Program upgrade	Enabled by build-in flash memory
Programmable characteristics	Code type selection, check digit selection Decoding option Transmitted character delay, Header selection, trailer selection, message suffix, good read beep tone and volume, scanner trigger selection Keyboard emulation type (intermessage delay, keyboard type and keyboard language).Serial interface type (ACK/NAK, Xon/Xoff, RTS/CTS, good read LED control, start/stop bits)