

ACCU-SORT®

AccuVision® HandsFree™ CCD Cameras

Introducing the AccuVision HandsFree CCD cameras... our smallest 2D readers offering camera performance at laser scanner prices, from the leader in vision-based bar code reading.



Hands-free design:

- Increases processing rate in environments where packages are hand-inducted

"Plug-and-Play" functionality:

- Easy setup in under 20 minutes!
- Field replaceable in 5 minutes!

Small footprint:

- Easily mounted in confined spaces

Wide field of view:

- Reduces costs by covering wide read areas with one camera instead of two

Target pattern:

- Saves time by minimizing installation and setup requirements
- Assists operator for increased induction rates

Integrated LED illumination:

- Reduces setup time
- Eliminates need for alignment of illumination with camera

Flexible Connectivity via MRC Decoder:

- Interfaces quickly and easily with existing networks
- Ethernet TCP/IP
- USB 2.0, RS232/422 serial ports

Advanced CCD Technology:

- Highest read rates on 2D and linear codes... even damaged or poor quality codes!
- CCD technology for more demanding high-speed applications

Outstanding Camera Performance... at laser scanner prices!

As the world leader in industrial camera-based bar code reading solutions, Accu-Sort's AccuVision cameras have set the bar rather high - even in the most demanding high-speed material handling applications. Our new AccuVision® HandsFree™ CCD cameras continue the tradition by providing a low cost solution for combined 2D bar code reading and image capture.

Big Solutions... even in a small package

Sometimes the best things really do come in the smallest packages. This small footprint AccuVision camera fits easily on your production line. With the largest sensor size in its class, the AccuVision HandsFree cameras provide the coverage you need to accommodate variety on your production line without having to relocate the camera. HandsFree camera provides a large depth of field ideal for hand induction.

The AccuVision HandsFree camera systems incorporate robust decode software that reads 2D and linear bar codes on objects that are stationary or in motion. The decode software and integrated LED illumination ensures the camera delivers the best possible read rates even on poor contrast bar codes.

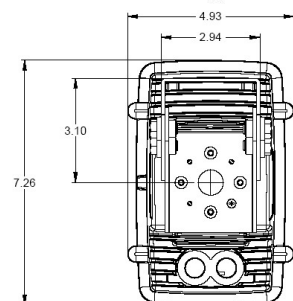
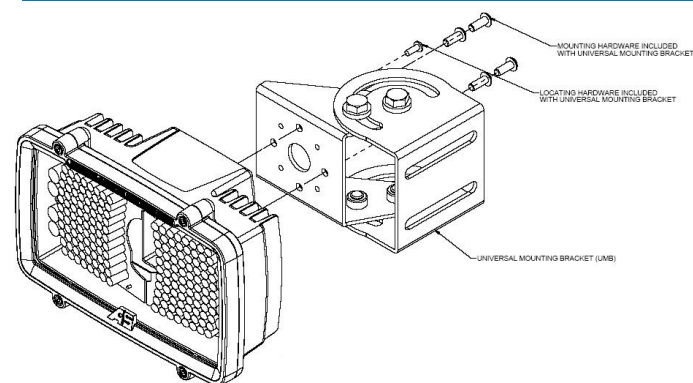
The user-friendly interface and unique targeting system enables you to easily install or quickly readjust the camera to accommodate changing production runs. The decoder can differentiate between codes in the camera's field of view or decode multiple codes simultaneously. The output message format can be modified to meet your host requirements and then communicates the results to your system using on board Ethernet TCP/IP, serial connections, or user programmable I/O.

AccuVision Bar Code Scanning Solutions

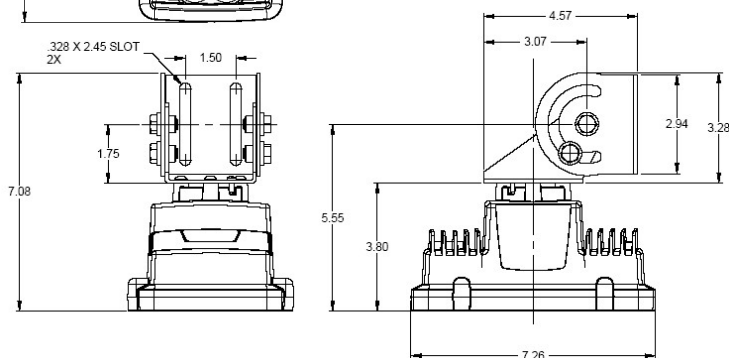
The AccuVision HandsFree is more than a bar code scanning camera, it is a complete solution for your bar code reading needs. Typical AccuVision HandsFree bar code scanning solutions address these industries and applications:

- Parcel/package verification and sortation
- Retail/wholesale order picking
- Document processing

AccuVision® HandsFree™ CCD Cameras



NOTES:
1. MOUNTING BRACKET CAN BE REVERSED DEPENDING ON APPLICATION.
2. TORQUE ON MOUNTING BRACKET PIVOT BOLT NOT TO EXCEED 14 LB-FT.
3. MOUNTING KIT SOLD SEPARATELY.

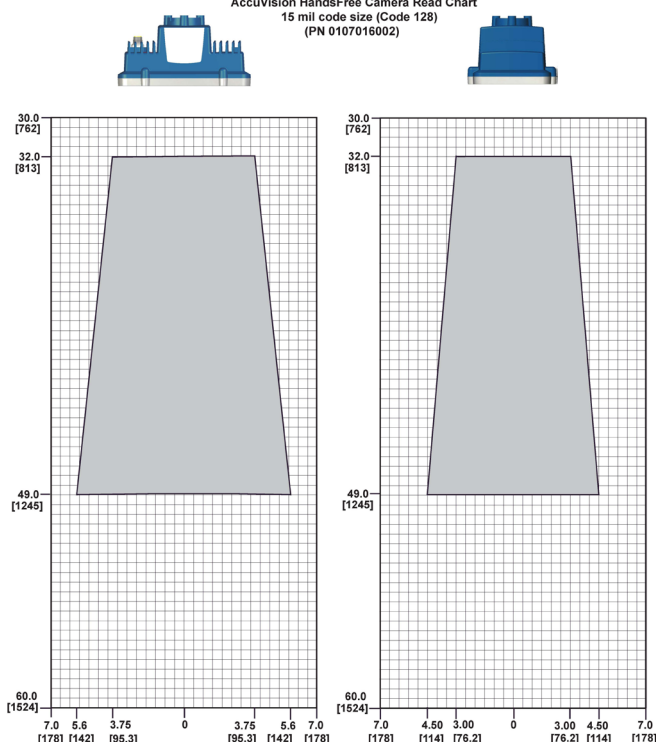


Specifications

Name/Part Number	CCD Bar Code Reader, AccuVision® HandsFree™
Mounting Distance	3" minimum [76 mm]
Scan Rate / Frame Rate	15 frames per second (FPS)*
Object / Transport Speed	0-500 FPM [0-2.0 MPS]*
Coverage (15 mil code)	Depth of Field (DOF): 27.0 - 49.0" [686 - 1245 mm] Field of View (FOV): Up to 9.0" x 11.0" [229 x 279 mm]
Temperature	Operating: +32° to +113° F [0° to +45° C] Storage: -59° to +131° F [-15° to +55° C]
Relative Humidity	10% - 90% non-condensing
Power Requirement	Camera and Illumination: 12 V (supplied by MRC Decoder)
Power Consumption	Camera and Illumination: 10.5 W
Illumination	Integrated LED light source (176 LEDs total)
Targeting Laser	Visible laser diode < 2.0 mW peak @ 400-700 nm
Bar Code Types	All standard 1D and 2D symbologies (see <i>MRC Decoder</i>)
Connectors	Power / Data (to decoder), Trigger Input
Weight	2.5 lbs. [1.13 kg]
Size	L 7.26" [184 mm] x W 3.80" [97 mm] x H 4.93" [125 mm]
Housing	Powder-coated cast aluminum, rated for IP65
Camera MTBF	> 50,000 hours
Warranty	1-year limited, parts and labor
Service Options	Installation assistance and on-site training
Compliances	UL, cUL, CE, FCC (Class A), IEC-60825-1, 21CFR1040

*Actual performance may vary with configuration and application.

AccuVision HandsFree Camera Read Chart
15 mil code size (Code 128)
(PN 0107016002)



CAUTION

CLASS 3R LASER RADIATION WHEN OPEN
AVOID DIRECT EYE EXPOSURE

COMPLIES WITH FDA PERFORMANCE
STANDARDS FOR LASER PRODUCTS
EXCEPT FOR DEVIATIONS PURSUANT TO
LASER NOTICE NO. 50, DATED JULY 26, 2001



For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

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