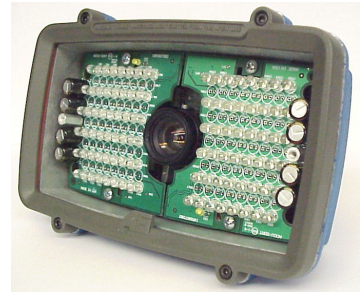
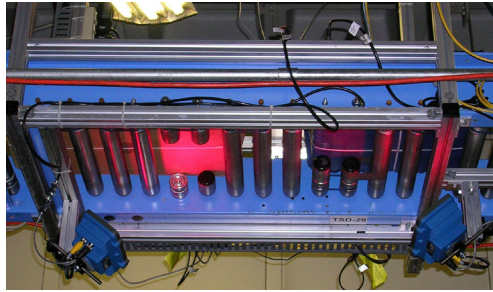


ACCU-SORT®

AccuVision® MiniCam™ CMOS Cameras

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



Camera Technology:

- Ability to read linear and 2D codes

"Plug-and-Play" functionality:

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

Small footprint:

- Easily mounted in confined spaces including under conveyors for bottom-read applications

Wide field of view:

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

Integrated LED illumination:

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

Flexible Connectivity via MRC Decoder:

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

Advanced CMOS Technology:

- Highest read rates on 2D and linear codes... even damaged or poor quality codes!
- CMOS technology offers a low cost camera solution

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® MiniCam CMOS 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 MiniCam cameras provide the coverage you need to accommodate variety on your production line without having to relocate the camera. For repetitive operations where the bar code is consistently placed, a narrower field of view can be selected to reduce the processing time and speed up throughput (15 - 60 frames per second, varying as a function of the required coverage for the application).

The AccuVision MiniCam mid-range camera systems incorporate robust decode software that reads 2D and linear bar codes on objects that are in motion, even at high speeds. The decode software and integrated LED illumination ensures the camera delivers the best possible read rates even on poor contrast bar codes.

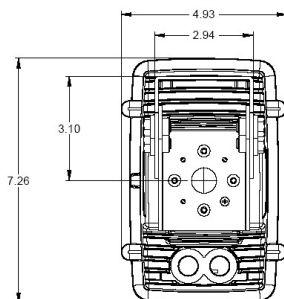
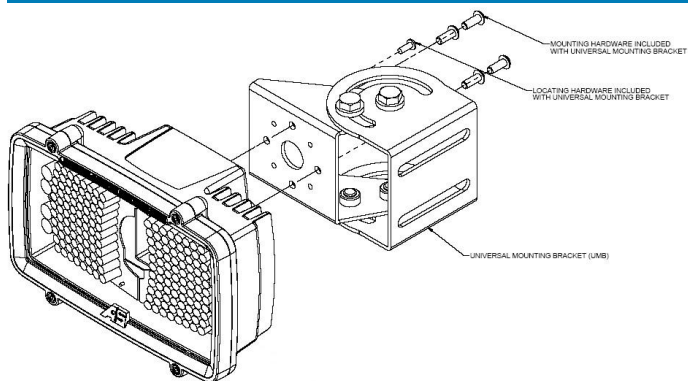
The user-friendly interface enables you to easily install or quickly readjust the camera to accommodate changing production runs. The decoder can differentiate between codes in the camera's field of view or decode multiple codes simultaneously. The output message format can be modified to meet your host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

AccuVision Bar Code Scanning Solutions

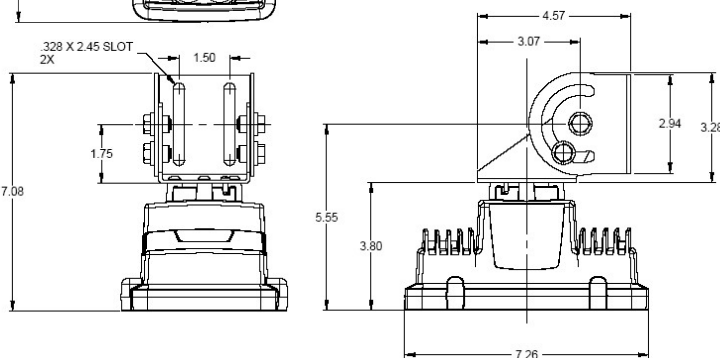
The AccuVision MiniCam is more than a bar code scanning camera, it is a complete solution for your bar code reading needs. Typical AccuVision MiniCam bar code scanning solutions address these industries and applications:

- | | |
|---------------------------------|----------------------------|
| • Parcel/package distribution | • Document processing |
| • Retail/wholesale distribution | • Package verification |
| • Tire manufacturing | • Print/label verification |
| • Manufacturing | • Pharmaceutical |
| • Automotive | • Multi-sided arrays |

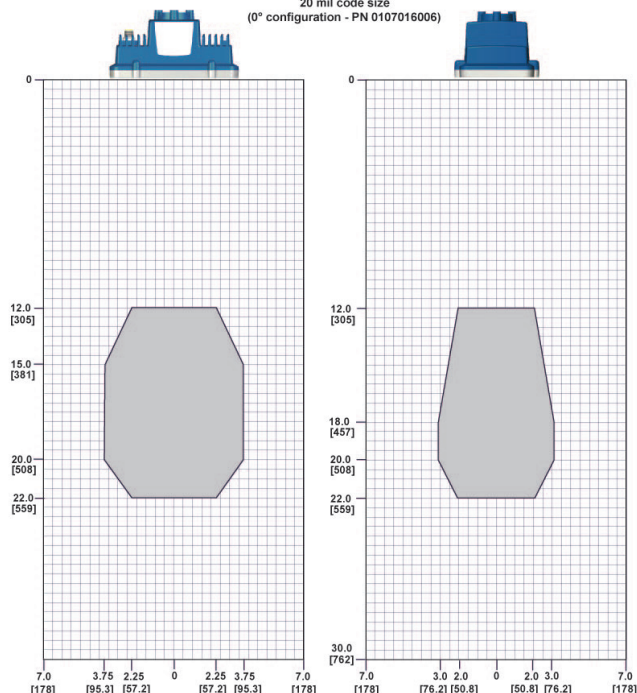
AccuVision® MiniCam™ CMOS Cameras



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.



AccuVision MiniCam Camera Read Chart
20 mil code size
(0° configuration - PN 0107016006)



Specifications

Name/Part Number	CMOS Bar Code Reader, AccuVision® MiniCam™
Mounting Distance	3" minimum [76 mm]
Scan Rate / Frame Rate	15-60 frames per second (FPS)*
Object / Transport Speed	0-500 FPM [0-2.0 MPS]*
Coverage (15 mil code)	Depth of Field (DOF): 12.0 - 20.0" [308 - 508 mm] Field of View (FOV): Up to 6.0" x 7.5" [152 x 191 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: 12 W
Illumination	Integrated LED light source (96 LEDs total)
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" [125mm]
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

*Actual performance may vary with configuration and application.



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

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Accu-Sort reserves the right to change specifications without notice.