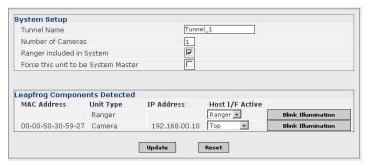# ACCU-SORT®

Before You Begin

❶ Complete the camera system installation for your application requirements.

❷ Know the application specifications (e.g., symbologies, communications, etc.).

❸ Assure your computer has an Ethernet port/NIC Card and that you have the required privileges for changing the IP address of your computer.

Connect and Login *(pg. xx)*

❶ Connect an Ethernet cable to your computer's Ethernet port and to the AV6010 camera network (IN or OUT). You may need to disconnect a cable from one of these ports if an open one is not available.

❷ Power up the AV6010. Wait approximately two minutes until the startup process is complete.

❸ Connect to IP address 192.168.0.50. The user interface Login screen is displayed. (If your computer is set up for DHCP, it will obtain an IP from the AV6010 automatically.)

❹ Enter the default **Password** (accusort).

System Configuration *(pg. xx)*

❶ Verify the **System Configuration** is correct for your application (e.g., number of cameras, etc.).

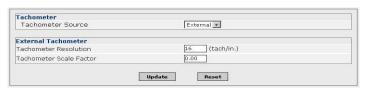❷ Modify the **Tunnel Name** and **Camera Assignments (Host I/F Active)**, if necessary.

System Setup	
Tunnel Name	Tunnel_1
Number of Cameras	1
Ranger included in System	☑
Force this unit to be System Master	☐

Leapfrog Components Detected				
MAC Address	Unit Type	IP Address	Host I/F Active	
	Ranger		Ranger ▾	Blink Illumination
00-00-50-30-59-27	Camera	192.168.00.10	Top ▾	Blink Illumination

Update   Reset

❸ Use the **Blink Illumination** buttons to identify the cameras.

Tachometer *(pg. xx)*

❶ Confirm the Tachometer Resolution is set correctly. The most common are 16 tach/inch or 20 tach/inch.

Tachometer	
Tachometer Source	External ▾
External Tachometer	
Tachometer Resolution	16 (tach/in.)
Tachometer Scale Factor	0.00

Update   Reset

❷ If you made changes, click Update before proceeding to the next step.

Focus Detection *(pg. xx)*

❶ These settings are configured for a RangeFinder (by default). Adjust **Package Sizes** (min/max), if necessary.

❷ Adjust the **Belt Width**, if necessary.

Package Size			
Minimum Package Size	Length	1.0	(in.)
	Width	2.0	(in.)
	Height	1.0	(in.)
Maximum Package Size	Length	78.0	(in.)
	Width	36.0	(in.)
	Height	36.0	(in.)
Minimum Package Spacing		12.0	(in.)

Belt Width		
Conveyer Width	40.0	(in.)

Focus	
Focus Data Source	Ranger ▾

Package Detection (Trigger)	
Trigger Source	Focus Data ▾

Update   Reset

❸ If you made changes, click Update before proceeding to the next step.

Mounting > Ranger *(pg. xx)*

❶ Set **Ranger Oriention** (angles and position), if necessary.

Ranger Orientation			
Mounting Angles	Roll	0.0	
	Pitch	0.0	
	Yaw	0.0	
Mounting Position	X (along belt)	0.0	
	Y (across belt)	0.0	
	Z (height)	0.0	
Ranger Ignore Limits	Left (−)	20.0	(in.)
	Right(−)	20.0	(in.)

Ranger Settings			
Minimum Separation for Side by Side Detect	Left (−)	20	(in.)

Update   Reset

❷ Adjust the left/right **Ranger Ignore Limits**, if necessary.

❸ If you made changes, click Update before proceeding to the next step.
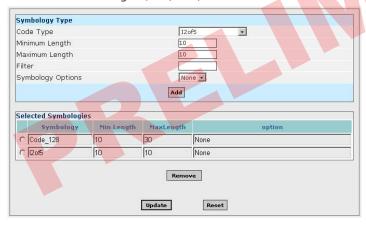
Mounting > Camera *(pg. xx)*

❶ Set **Camera Orientation** (angles and position), if necessary.

❷ Adjust the **Tracking Box Extensions**, if necessary.

❸ If you made changes, click Update before proceeding to the next step.

Camera Orientation		
Mounting Position		Side ▾
Mounting Angles	Roll	-45
	Pitch	0
	Yaw	0
Mounting Position	X (along belt)	20
	Y (across belt)	80
	Z (height)	0
Tracking Box Extensions	Front	2 inch ▾
	Back	1 inch ▾

Update   Reset

Decoding *(pg. xx)*

IMPORTANT: These settings are applied to all AV6010 Cameras within a system. Changes are highlighted in yellow until you **Update**.

❶ Using the drop-down list, select a **Code Type** to be read.

❷ Define code length (min/max).

Symbology Type	
Code Type	I2of5 ▾
Minimum Length	10
Maximum Length	10
Filter	
Symbology Options	None ▾

Add

Selected Symbologies			
Symbology	Min Length	MaxLength	option
○ Code_128	10	30	None
○ I2of5	10	10	None

Remove

Update   Reset

❸ Set any **Symbology Options** required.

❹ Repeat 1-3 until all symbologies required appear in the **Selected Symbologies** list.

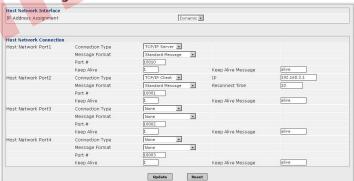❺ Remember to click **Update** before moving to another screen.

Communications > Serial *(pg. xx)*

❶ Select **Serial Port** from the **Communications** sub-menu.

❷ Define the **Baud Rate, Stop Bits, Parity** and **Data Bits** parameters for the serial port.

Serial Port Settings			
Baud Rate	**Stop Bits**	**Parity**	**Data Bits**
9600 ▾	1 ▾	None ▾	8 ▾

Serial Messaging		
Transmit Message Type		Standard Message ▾
Keep Alive	0	Keep Alive Message

Update   Reset

❸ Set the **Transmit Message Type**.

❹ Click **Update** before proceeding to the next step.

Communications > Host Network *(pg. xx)*

❶ Select **Host Network** from **Communications** sub-menu.

❷ Set **Host Network** parameters (for up to four ports) using the drop-down lists to select the **Connection Type** and **Message Format**.

Host Network Interface				
IP Address Assignment			Dynamic ▾	
Host Network Connection				
Host Network Port1	Connection Type	TCP/IP Server ▾		
	Message Format	Standard Message ▾		
	Port #	10010		
	Keep Alive	1	Keep Alive Message	alive
Host Network Port2	Connection Type	TCP/IP Client ▾	IP	192.168.3.1
	Message Format	Standard Message ▾	Reconnect Time	10
	Port #	10001		
	Keep Alive	1	Keep Alive Message	alive
Host Network Port3	Connection Type	None ▾		
	Message Format	None ▾		
	Port #	10002		
	Keep Alive	1	Keep Alive Message	alive
Host Network Port4	Connection Type	None ▾		
	Message Format	None ▾		
	Port #	10003		
	Keep Alive	1	Keep Alive Message	alive

Update   Reset

❸ Click Update before proceeding to the next step.

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

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