MICROSCAN

Downgrading the Speed and Decoder Settings of MicroHAWK ID Products for Demonstrational Purposes

The <op,24> command in Microscan's ESP® Software and WebLink User Interface allows a Microscan representative (staff or partners) the ability to demonstrate the differences in performance for specific licensed feature options in the MicroHAWK Barcode Reader platform (in this case, Speed and Decoder options). **It is NOT intended for distribution as a trial license to customers.** The command does not upgrade to features beyond those that are currently licensed; the command can only downgrade currently licensed settings or override to the maximum licensed settings.

Capabilities

- Ability to "downgrade" from High-Speed frame acquisition (maximum for the unit's sensor type) to Standard Speed (limited to 10 FPS)
- Ability to "downgrade" the Decoder from X-Mode (Damaged and/or DPM symbols) to Plus (high-contrast 1D/2D) to Standard (high-contrast 1D only)
- No ability to "upgrade" beyond what is currently licensed
- Changes take effect immediately
- Changes are not persistent through a power-cycle (i.e., power-cycling the unit will reset the unit to the default maximum feature settings)

Syntax

- <op,24,maxFPS,decoderType>

Speed

maxFPS:	0 = standard mode (acquisition capped at 15 fps)
	1 = high-speed mode

Decoder

decoderType:	0 = 1-D
	1 = 2-D
	2 = X-Mode

Examples

- Assuming a MicroHAWK ID unit with High-Speed and X-Mode licenses:

<op,24,0,0>	Unit runs at max 10 FPS, decodes 1D symbols only
<op,24,0,1>	Unit runs at max 10 FPS, decodes 1D and 2D symbols
<op,24,0,2>	Unit runs at max 10 FPS, X-Mode decoder enabled
<op,24,1,0>	Unit runs at max sensor FPS, decodes 1D symbols only
<op,24,1,1>	Unit runs at max sensor FPS, decodes 1D and 2D symbols
<op,24,1,2>	Unit runs at max sensor FPS, X-Mode decoder enabled

Notes

- Attempting to set a parameter with an out-of-range value results in error 57 returned
- Attempting to set a parameter with a value that exceeds the current licensed setting results in error 57 returned
- As expected, setting a parameter that does not meet the criteria of the application may result in the unit becoming unable to read the symbol. Example: When using WebLink and a fully-licensed MicroHAWK ID unit (High-Speed and X-Mode licenses enabled) to decode a 2D symbol, issuing the command <op,24,1,0> will cause the unit to immediately lose the ability to read the symbol because the Decoder will be set to Standard (1D symbols only).