

**DIGITAL  
VISION**

# INVENTORY

**LENS    FRAMES    MISC**

Keeping it CLEAN!!!!

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# INVENTORY OVERVIEW

As labs continue to become more of a one stop shop, inventory management has become more and more important. It used to just be all about lenses, everything else was just a miscellaneous headache to deal with.

Labs are dealing in frames and misc items to provide better service to the ECP's. In doing so it has become a very intricate part of the labs processes and setups.

The importance of maintaining a clean and correct inventory include:

- Utilizing lab specific functions as well as Combobulator setups
- Controlling cost
- Improving turn time and service levels
- Satisfying auditors
- Ease of use for employees, especially 'newbies'



# INVENTORY OVERVIEW

DVI has worked very hard at expanding the various avenues in which you are able import data for inventory items for ease of use.

But wait, remember to.....

- ◆ Manage your vendor list <2,3,5,5>
  - Import tool F5
  - Confirm backorder policies
  - Confirm Ordering logic for proper inventory levels
- ◆ Download Lens Data <5,2,1>
- ◆ Download Frame Data <5,2,1>



# INVENTORY OVERVIEW

Avenues in which to import data, depending on type:

- ❖ Lens Inquiry <3,1,2>
- ❖ Frames Database <3,2,1,1>
- ❖ Misc item import
- ❖ Update from CSV

The screenshot shows a software interface with a 'Frame Catalog' window. The 'File' menu is open, showing options: 'Export Frames', 'Export without Prices', and 'Export to VCA File'. Below the menu, there are buttons for 'Import DVI' and 'Import Inver'. A dialog box titled 'Import?' is overlaid on the interface. The dialog box contains the following text:

**Import?**

The update file should be comma- or tab-delimited and the first line should be a header indicating which fields will be updated. The OPC must be included among the fields, and is used to match the records.

Valid header fields are: OPC, Bin, QOH, OrderVia, Cost, Prc1, Prc2, Prc3, and LotSize.

Continue with update?

Buttons: Yes, No

# LENS SPECIFIC TOOLS

- ◆ Using the import code mapping from Lens Inquiry.
  - Be sure to review the saved setup before importing new products to avoid confusion
  - If it is a one-time map, then be sure to remove it after using it

kup F5:Import Code Mapping... F6:Clear screen F9:View Lens Activity... F11:Download lens data Jump to... Advanced

The screenshot shows the main application window with a red arrow pointing to the 'Import Code Mapping' button in the top menu bar. The window title is 'kup' and it includes several function key shortcuts: F5:Import Code Mapping..., F6:Clear screen, F9:View Lens Activity..., F11:Download lens data, Jump to..., and Advanced. Below the menu bar, there are several input fields and a 'DIGITAL VISION' logo.



Three overlapping 'Import Code Mapping' dialog boxes are shown, each with a table of mappings. The top dialog shows a mapping for 'TEG' with 'DDE' in the Lab Code field. The middle dialog shows a mapping for 'TGY' with 'T8G' in the Lab Code field. The bottom dialog shows a mapping for 'P53' with 'H53' in the Lab Code field. Each dialog has a title bar with 'Import Code Mapping' and a close button (X). Below the title bar are function key shortcuts: F1:Save Changes, INS:Insert Line, and DEL:Delete Line. The dialog also features a tabbed interface with 'Coat', 'Color', 'Mfr', 'Material', and 'Style (SV types only)'. The 'DVI Code' and 'Lab Code' fields are highlighted in purple and blue respectively.

# LENS SPECIFIC TOOLS

- ◆ DVI gives you as much heads up as possible both before and after importing.
- ◆ We also warn, when you are importing missing products from the <4823> menu
- ◆ Lens Cost importing
  - Handled in Lens Inventory Editor <363>
  - Verify if the cost in the file represents per unit or per pair before importing
  - Reuse the same file over and over as you add lenses to your inventory.
  - Costs can also come through Opticom

The image shows a screenshot of a software interface with several overlapping warning dialog boxes. The top-most dialog is titled "Warning" and contains the text "Code Mappings have verified the". Below it is another dialog titled "Problems ahead" with a close button (X) in the top right corner. This dialog contains a warning message: "Warning - Invalid/missing color(s): GRY" (the text "Invalid/missing color(s):" is enclosed in a blue rounded rectangle), followed by the instruction "You must resolve setup problems before importing this lens data." In the background, a third dialog is partially visible with the text "So" and "Vic".

Below the dialog boxes, a list of lens brands is displayed within a blue-bordered box:

- Centennial
- Essilor
- Hoya-Seiko Optical
- IOT Photochromics
- Nassau Lens (same setup as Essilor)
- Resolution Lenses
- Shamir Insight
- Shore Lens (same setup as Essilor)
- TOG (Thai Optical Group)
- Vision Ease
- Younger Optics

The "DIGITAL" logo is visible in the top right corner of the software interface.

# LENS SPECIFIC TOOLS



## Other options in controlling your inventory

- Coat manufacturer filter
  - Used to put a coating onto a specified manufacturer's lenses
- Coat substitution
  - Used to point an ordered coat to a lab preferred coat
- Color aliasing
  - Used to point an ordered color to a lab preferred color
  - Useful for Transitions generation changes

Sub Filter (Fin AR)	MFR Filter	Group
AAR	SH	PA
		PA
		PA
AAR		PA
AAR		PA

The screenshot shows a software interface with several components:

- Job Routing Logic Dialog:** A window titled "Job Routing Logic: c\_aar.dat" with a "Description" field containing "aar". It includes buttons for "Save", "MoveDown", "MoveUp", "Insert", "Delete", "Update", and "WIP Test". Below the description is a table with columns "Name", "Count", "Age", and "Status".
- Coatings Table:** A table with columns: Coating, Description, Type, Supply, Tint (Ply), Precoat (Pl), Check-Off, Verify@Ship, and Unc Search. It lists various coatings like AAR, AAZ, ADS, AEM, ARC, AST, BAR, BBU, BEX, BKM, and TRN.
- Color Table:** A table with columns: Color and Description. It shows "TGY" and "TGY" with the description "TRANSITIONS GRAY".
- Product Generation Color Aliases for TGY Dialog:** A dialog box with two main sections:
  - Available Color Codes:** A list of color codes and their descriptions, including SSG (SUNSENSOR GREY), STB (SUNTECH BROWN), STG (SUNTECH GRAY), SJG (SUNSYNC PLUS GRAY), SXB (SUNSYNC DRIVE XT BRN), SXG (SUNSYNC DRIVE XT GRY), SYB (SUNSYNC BROWN), SYG (SUNSYNC GRAY), T6B (TRANSITIONS VI BROWN), T6G (TRANSITIONS VI GRAY), TBN (TRANSITIONS BROWN), TGN (TRANS GRAPHITE GREEN), TGR (TRUE GRAY), TGY (TRANSITIONS GRAY), TN1 (TAN 1), TN2 (TAN 2), TN3 (TAN 3), TVG (TRANS VANTAGE GRAY), and VAM (VANTA AMBER).
  - Ranked Alias Choices:** A list showing "T8G" and "TRANSITIONS 8 GRAY" as a selected option.

# INVENTORY ITEM RECOMMENDATIONS



## Frames, Lenses, Miscellaneous

- Items should have OPCs (lenses) or UPCs (frames and miscellaneous)
  - OPCs/UPCs are required for
    - Ordering via Opticom
    - Stockroom (lens and frames) logging and reconciliation
  - OPCs/UPCs make the cycle counting and physical inventory process much easier



# WORKTICKET POINTERS

## Frames and Lenses

- The last three digits of the OPC and the full UPC prints on the workticket
  - These fields are also available to print on various forms
  - Workticket also shows if a lens is in stock (s) or out of stock (o)
  - Lens bin number also prints

```
      B01                638
S  SV      *no*fin*74
  STYLE    PLY/PLY
S  SV      *no*fin*73
      B01                638
```

```
675254209716
      MODE
```

# INVENTORY ITEM RECOMMENDATIONS



## Frames, Lenses, Miscellaneous

- Items should have bin locations defined
  - Bin locations for frames and lenses also print on DVI worktickets and are an available field for labels
  - Bin locations are required for cycle counting
  - Bin locations help inexperienced employees find frames/lenses easier

# BIN REPORT

## Frames and Lenses

- Bin report shows the number of line items currently in bins
  - Shows the lab an uneven distribution of items
  - Analyzing the report can help a lab set up for successful cycle counting

### Defined Bin Report - DVI Workshop 2024

Bins (58)	Line Items
-----------	------------

B01	2
B02	1
B03	9
B04	30
B05	23
B06	19
B07	43
B08	19

# INVENTORY ITEM RECOMMENDATIONS



## Frames and Lenses

- Bin locations can be set manually or using the Teach Bins feature location within the Inventory Editor <3,6,3> or <3,2,8,7,1> “Advanced” > “Teach Bins”

Teach Bins to Inventory Records

New bin:

OPC:

F/S	Mat	Style	MF	Sz	Col	Cot	Ind	Box...	Sph/...	Cyl/...	Stat	OPC-R	OPC-L	Bin
F	P	SV	ES	70	CLR	COT			+0.50	0.00	N	0214688608	0214688608	
F	P	SV	ES	70	CLR	COT			-7.75	0.00	N	0214692345	0214692345	
F	P	SV	ES	70	CLR	COT			-8.00	0.00	N	0214692360	0214692360	K05

# CYCLE COUNTING

## Frames, Lenses, Miscellaneous

- Items should be cycle counted on a daily basis
- The daily process should take no more than fifteen minutes
- The goal is to count a manageable amount of items a day, such as one shelf
- Accurate counts lead to better orders and save the lab money by avoiding costly short orders
- Variance reports provide a picture of areas that may need improvement
  - It is especially important to pay attention to large variances
- Full physical inventory counts can be done as needed
  - Often depends on variance percentage of cycle counts

# INVENTORY REPORTS



## Frames, Lenses

- Standard reports such as overstock/understock reports should be run to help fine tune what the lab's inventory
- For lenses, additional reports should be run such as:
  - Fill rate (lenses filled with stock inventory v. lenses filled via short orders)
    - Low fill rate percentage means that the lab should look to stock more of those lenses that are often being short ordered
  - Lens Anomalies (logged lenses without QOH)
  - Pick Errors (Instances at stockroom logging where an attempt was made to pick something other than the lenses that the software wanted to use)
    - May uncover unnecessary lens substitutions and training opportunities

# INVENTORY EDITOR



## Frames, Lenses, Miscellaneous

All of the Inventory Editor programs are now updated to use the Windows GUI (graphical user interface).

Common features include:

- ◆ Cycle counting
- ◆ Filter and search functions, including new cell math
- ◆ Export to Excel or text and update from CSV
- ◆ Right-click menu options (eg move/copy/delete records)
- ◆ Variance history

Frame Inventory

F1:Create Text Report F2:Save Changes F3:Display F4:Look Up By UPC View Reports Counting Advanced

Mf: CAPR Name: [ ] Comp: [ ] Eye: [ ] Bridge: [ ] Color: [ ] Temple: [ ] Size: [ ] Start Bin: [ ] End Bin: [ ] Stk Stat: [ ] Mat: [ ] Edge: [ ] Type: [ ] Div: [ ]

Quantity: Min: [ ] Max: [ ] On Hand: [v] Usage: Min: [ ] Max: [ ] Type: [v] + Min: [ ] Max: [ ] Type: [ ]

3486 frame inventory record(s) loaded

Mfr	Name	Color	Comp	Eye	Bridge	Tem...	Size	UPC	Bin	Stat	Mat	Edge	Div	Type	QOH	QOO	InCo...	OldQ...
CAPR	21019	(C1) GREY MULTI		50	21	SKUL	140	009398224654		N	ZYLO	HB		ST	0	0	N	0
CAPR	21019	BURGUNDY MULTI		50	21	SKUL	140	009398224623		N	ZYLO	HB		ST	0	0	N	0
CAPR	21019	CRYSTAL MULTI		50	21	SKUL	140	009398224647		N	ZYLO	HB		ST	0	0	N	0
CAPR	21045	(C1) BLACK MULTI		52	17	SKUL	140	009398224739		N	ZYLO	HB		ST	0	0	N	0
CAPR	21045	CHAMPAGNE MULTI		52	17	SKUL	140	009398224722		N	ZYLO	HB		ST	0	0	N	0
CAPR	21053	(C3) CHAMPAGNE		52	17	SKUL	145	009398224753		N	ZYLO	HB		ST	0	0	N	0
CAPR	21059	(C2) CRYSTAL		52	20	SKUL	145	009398224845		N	ZYLO	HB		ST	0	0	N	0
CAPR	21059	LEOPARD TORT//CR		52	20	SKUL	145	009398224838		N	ZYLO	HB		ST	0	0	N	0
CAPR	21075	(C1) GREY		53	17	SKUL	145	009398228751		N	ZYLO	HB		ST	0	0	N	0
CAPR	21075	(C2) GREEN		53	17	SKUL	145	009398228744		N	ZYLO	HB		ST	0	0	N	0
CAPR	21075	(C3) BURGUNDY		53	17	SKUL	145	009398228737		N	ZYLO	HB		ST	0	0	N	0
CAPR	21075	(C4) BLACK		53	17	SKUL	145	009398228720		N	ZYLO	HB		ST	0	0	N	0
CAPR	21076	(C1) BURGUNDY		53	18	SKUL	145	009398228799		N	ZYLO	HB		ST	0	0	N	0
CAPR	21076	(C2) GREY		53	18	SKUL	145	009398228782		N	ZYLO	HB		ST	0	0	N	0
CAPR	21076	(C3) BLUE		53	18	SKUL	145	009398228775		N	ZYLO	HB		ST	0	0	N	0
CAPR	21076	(C4) BLACK		53	18	SKUL	145	009398228768		N	ZYLO	HB		ST	0	0	N	0
CAPR	21100	(C1) BLACK		53	16	SKUL	145	009398224890		N	ZYLO	HB		ST	0	0	N	0
CAPR	21100	(C3) PINK		53	16	SKUL	145	009398224876		N	ZYLO	HB		ST	0	0	N	0
CAPR	21100	(C4) SEA FOAM		53	16	SKUL	145	009398224869		N	ZYLO	HB		ST	0	0	N	0
CAPR	21102	(C1) BLACK		50	20	SKUL	145	009398224616		N	ZYLO	HB		ST	0	0	N	0
CAPR	21102	COTTON CANDY		50	20	SKUL	145	009398224586		N	ZYLO	HB		ST	0	0	N	0

# FILTER LINE CELL MATH [WSR]

- New feature to help further fine tune usage of the filter lines
  - **=** - Exact string, eg =P to find only plastic material lens inventory items
    - Former way of using the filter lines would return everything with P in the material code, eg PLY, TPY, etc.
  - **!** – Everything except the item specified, eg !P to find everything with the letter P in the material code except for P
  - **>** and **<** can be used for field in which the result can be numeric, eg QOH or usage

Filter row. Enter text in the cells of this line to filter results in the rest of the grid. The grid will only show data lines that contain the entered text in the relevant column.

Operators (all fields):

= match string exactly ("=P")

! match everything except string ("!PLY")

Operators (numeric fields only):

> match values greater than specified (">4.49")

< match values less than specified ("<20")



# VARIANCE HISTORY



## Frames, Lenses, Miscellaneous

- Collection of past variance reports (30 days)
- Allows labs to avoid printing or manually saving variance reports
- Filter lines allow the user to search for a specific bin, date or variance

Variance Reports

View Report Combine Variances Export...

File	Description	Date	Time	Units Cou...	Cost Count...	Units -	Money -	Units +	Money +	% Cost Ch...
N:\vision\logs\variance021-00.txt	B START BIN: I01 END BIN: I01	03/29/2024	06:20	56	448.99	-2	-21.94	20	119.20	31.43%
N:\vision\logs\variance021-01.txt	B START BIN: I02 END BIN: I02	03/29/2024	06:21	37	528.26	0	0.00	0	0.00	0.00%
N:\vision\logs\variance021-02.txt	B START BIN: J01 END BIN: J01	03/29/2024	06:22	72	378.72	0	0.00	39	205.14	54.17%
N:\vision\logs\variance021-03.txt	B START BIN: J02 END BIN: J02	03/29/2024	06:24	76	714.31	0	0.00	52	483.22	67.65%
N:\vision\logs\variance021-04.txt	B START BIN: H01 END BIN: H01	03/29/2024	06:26	68	1641.84	-4	-90.32	3	67.74	9.63%
N:\vision\logs\variance021-05.txt	B START BIN: H02 END BIN: H02	03/29/2024	06:27	110	2622.84	0	0.00	8	192.12	7.32%
N:\vision\logs\variance021-06.txt	B START BIN: H03 END BIN: H03	03/29/2024	06:29	49	793.15	0	0.00	1	8.15	1.03%
N:\vision\logs\variance021-07.txt	B START BIN: H04 END BIN: H04	03/29/2024	06:30	96	1609.79	-7	-98.07	0	0.00	6.09%
N:\vision\logs\variance021-08.txt	B START BIN: F01 END BIN: F01	03/29/2024	06:32	52	923.52	-4	-71.04	6	106.56	19.23%
N:\vision\logs\variance021-09.txt	B START BIN: F02 END BIN: F02	03/29/2024	06:33	40	710.40	-4	-71.04	7	124.32	27.50%
N:\vision\logs\variance021-10.txt	B START BIN: G01 END BIN: G01	03/29/2024	06:35	98	2442.16	-3	-56.00	39	971.88	42.09%
N:\vision\logs\variance021-11.txt	B START BIN: G01 END BIN: G01	03/29/2024	06:37	101	2498.16	0	0.00	3	56.00	2.24%
N:\vision\logs\variance021-12.txt	B START BIN: G02 END BIN: G02	03/29/2024	06:40	85	2312.27	-1	-25.51	31	790.81	35.30%
N:\vision\logs\variance021-13.txt	B START BIN: F04 END BIN: F04	03/29/2024	06:41	0	0.00	-19	-255.02	0	0.00	0.00%
N:\vision\logs\variance021-14.txt	B START BIN: E04 END BIN: E04	03/29/2024	06:44	72	1770.72	0	0.00	4	117.84	6.65%
N:\vision\logs\variance021-15.txt	B START BIN: E03 END BIN: E03	03/29/2024	06:45	47	435.29	-4	-12.38	1	12.38	5.69%
N:\vision\logs\variance021-16.txt	R START BIN: F02 END BIN: F02	03/29/2024	06:47	76	1507.17	0	0.00	1	15.25	1.01%

# INVENTORY EDITOR



## Frames, Lenses

### ◆ Unique features:

- Frames and Lens only
  - Detailed view with usage history and ordering logic
  - Reports (activity log, cost summary, over/understock)
- Frames only
  - Print inventory labels
- Lens only
  - “Jump to” lens curve, shape, thickness and picklist information
  - Reports (Unbalanced and uncosted)
    - Unbalanced refers to items without pair quantity where there is a left/right difference

# TAKING IN INVENTORY

Lenses, Frames, Miscellaneous

- ◆ Purchase Order Receival
- ◆ Packing Lists
- ◆ Manual Changes
- ◆ CSV Update/Import
- ◆ ASRS Synchronization





# PACKING LISTS

Frames, Lenses, Miscellaneous

- ◆ Three main types:
  - Take from inventory (write-offs, returns)
  - Add to inventory (imports, cycle counts)
  - No effect on inventory (printouts, organization)
- ◆ Now a tab in the PO programs
- ◆ Can be created via barcode, manual entry, or CSV
- ◆ Feature: receive frame packing list against POs



# CSV UPDATE/IMPORT

## Frames, Lenses, Miscellaneous

### ◆ Import (Misc)

- Mfr, Item, Desc, Bin, QOH, Cost, Price, Status, Division, InvCat


### ◆ Update (Lenses, Frames)

- Barcode based
- Useful for batch modifications
- Lenses: Bin, QOH, Order-via, Cost, Price1, Price2, Price3, Lot Size
- Frames: Bin, QOH, Division, Lot Size



# PO FEATURES

## Frames, Lenses, Miscellaneous

- ◆ View “Jobs Waiting for Order”
- ◆ Vendor order-audit tool
  - Global Optics lens order only
  - Split out missing items to a new PO
- ◆ View deleted POs
- ◆ Archive PO fetch dialog 
- ◆ Report on all items/orders

### Archive Fetch

Start Date

End Date

#### Vendors

- AR
- AX
- EO
- ES
- GL
- HO
- SH
- SO
- VE
- VH
- VI
- VO

# LENS INVENTORY



## Developments

- ◆ New Option: Preserve Short Counts <4,8,1,1>
  - Handling for extended periods of "Negative QOH"
  - Clear it only at month-end
- ◆ New field: Quantity-on-Short-Order
  - Impacts perpetual inventory ordering
- ◆ Increased data size for counts and usage
  - Old Limit was 16,000 per OPC

Warn If Logging 0-QOH Lens	Y
Warn If Skipping Finished	N
Warn on Re-Logging	Y
Allow SF Substitution	N
<b>Preserve Short Counts</b>	Y
Rush Orders	S
Set Finished Demand	Y

	Material	Mfr	Size	Ind	Color	Coat	Box Curve	Av
	P	VE	70		CLR	COT	5.25	
Location	R OPC		L OPC		R/L	Type		
A01	0023441249		0023441249		N	P		
QOO:	57.0	QOS:	8.0	Old QOH:	0.0			
Q Short:	0.0	Q Demanded:	0.0	Mor				
Apr23	May23	Jun23	Jul23	Aug23	Sep23	Oct23	Nov23	D
7	354	388	378	388	333	412	259	5
	22	22	20	23	20	22	20	19
.35	16.09	17.64	18.90	16.87	16.65	18.73	12.95	2



# INVENTORY MYSTERIES

Frames, Lenses, Miscellaneous

- ◆ Inventory activity log (L & F)
  - ~30 days on hand
  - Store your own at cycling
  - Formatted export
- ◆ PO logs
  - Order & Response
  - Shipment & Receiving
  - Item receiving detail
- ◆ Inventory net change
- ◆ PO Receiving record



# ASRS SYNCHRONIZATION

## Lenses, Frames

- ◆ Barcode based
- ◆ ASRS interfaces can export counts
  - Best practice: update daily
- ◆ Works like a cycle count:
  - Store Old QOH
  - Update new counts
  - Create Variance
  - Show mismatch items



# ASRS INTERFACES

## Automated Storage & Retrieval Systems

	Semi-Finish Lenses	Finished Lenses	Frames
Kardex	✓	✓	✓
RAX	✓		
Schneider AWS	✓	✓	✓

# ASRS INTERFACES



## ASRS Workflow

### ◆ RAX

- Worktickets are printed and trayed up
- Trays are scanned at machine entry
- Robot retrieves items and places them in tray, unboxed.
- Supports OMA/INF communication
- Lenses automatically logged

### ◆ Kardex

- Jobs are electronically submitted to the machine from the Combobulator
- Lights direct human picker to correct bin location
- Lenses/Frames automatically logged

### ◆ AWS

- Jobs are electronically submitted to the machine from the Combobulator
- Robot retrieves items and places them in tray, unboxed
- Supports OMA/INF communication
- Lenses/Frames automatically logged

# ASRS INTERFACES

## DVI CONFIGURATION

### ◆ DVI SETUP [4,8,1,1]

- F8: Machinery

RAM Address	192.111.0.112
AWS Path	\\VISION\LDS\SOM
Kardex Server Path	\\KARDEX\IMPORT\
AWS Mode	B

IP address of the RAM server, for RAX interface

Path to shared AWS data space, used to exchange jobs, pick status, and inventory updates

Path to root of shared Kardex data space, used to exchange jobs, pick status, and inventory updates

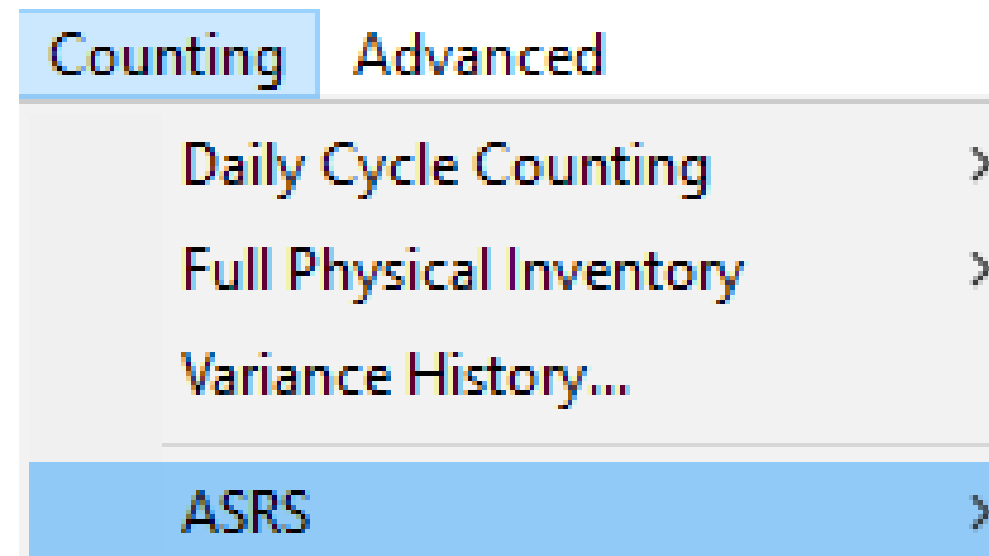
N=No AWS, L=Lenses only (SF and F), F=Frames only, B=Both lenses (SF and F) and frames, S=SF lenses only, A=SF lenses and frames

# ASRS INTERFACES

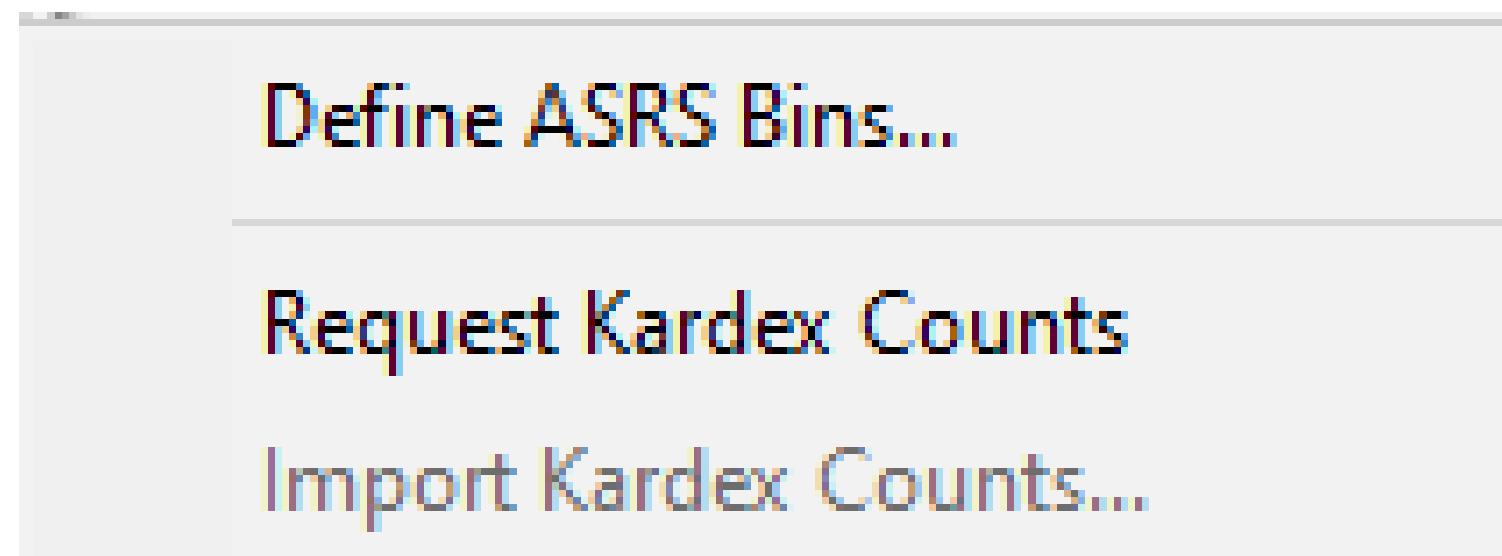
## ASRS Interfaces

- ◆ Defining bin ranges tell the system which lenses are in the ASRS.

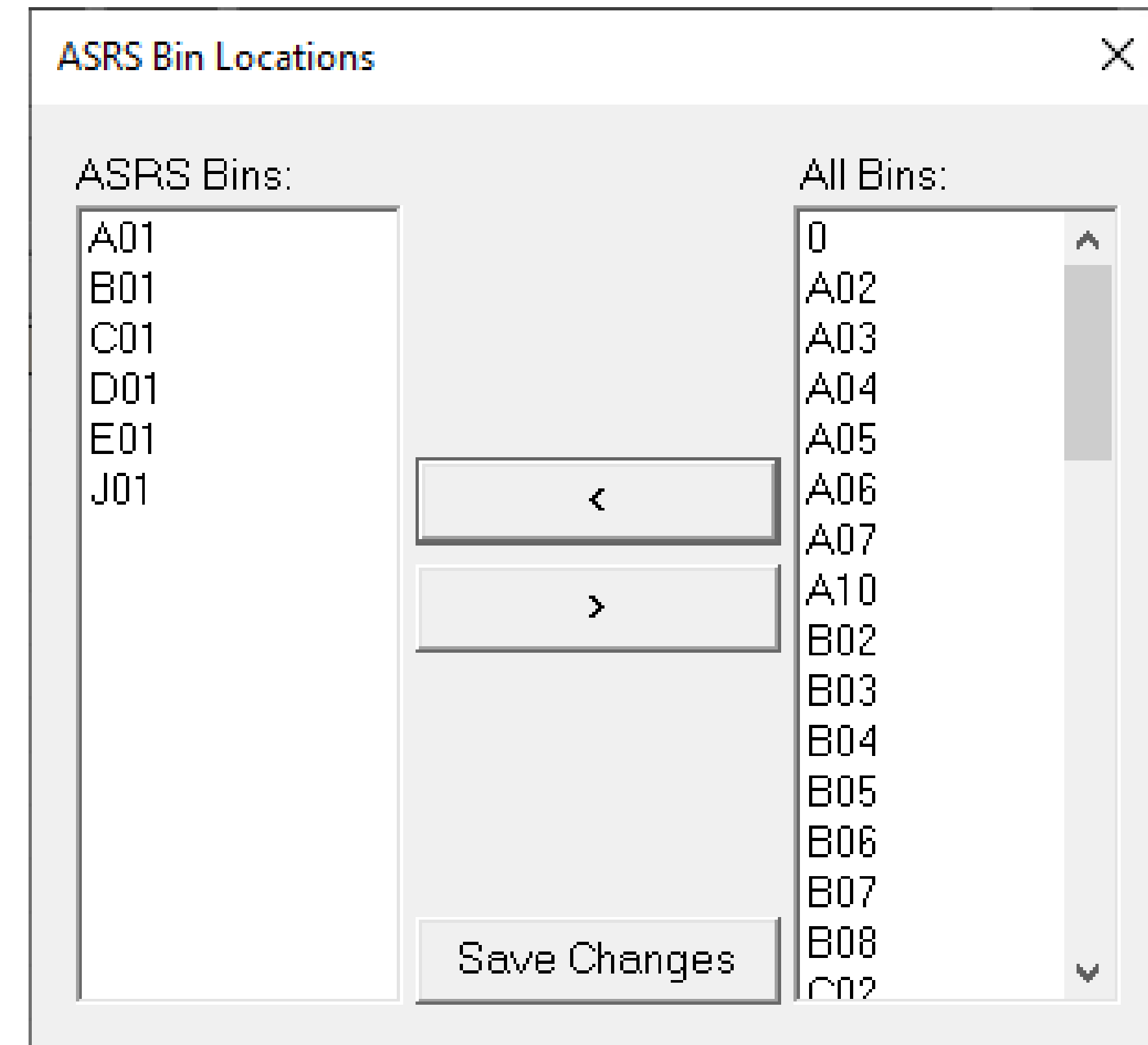
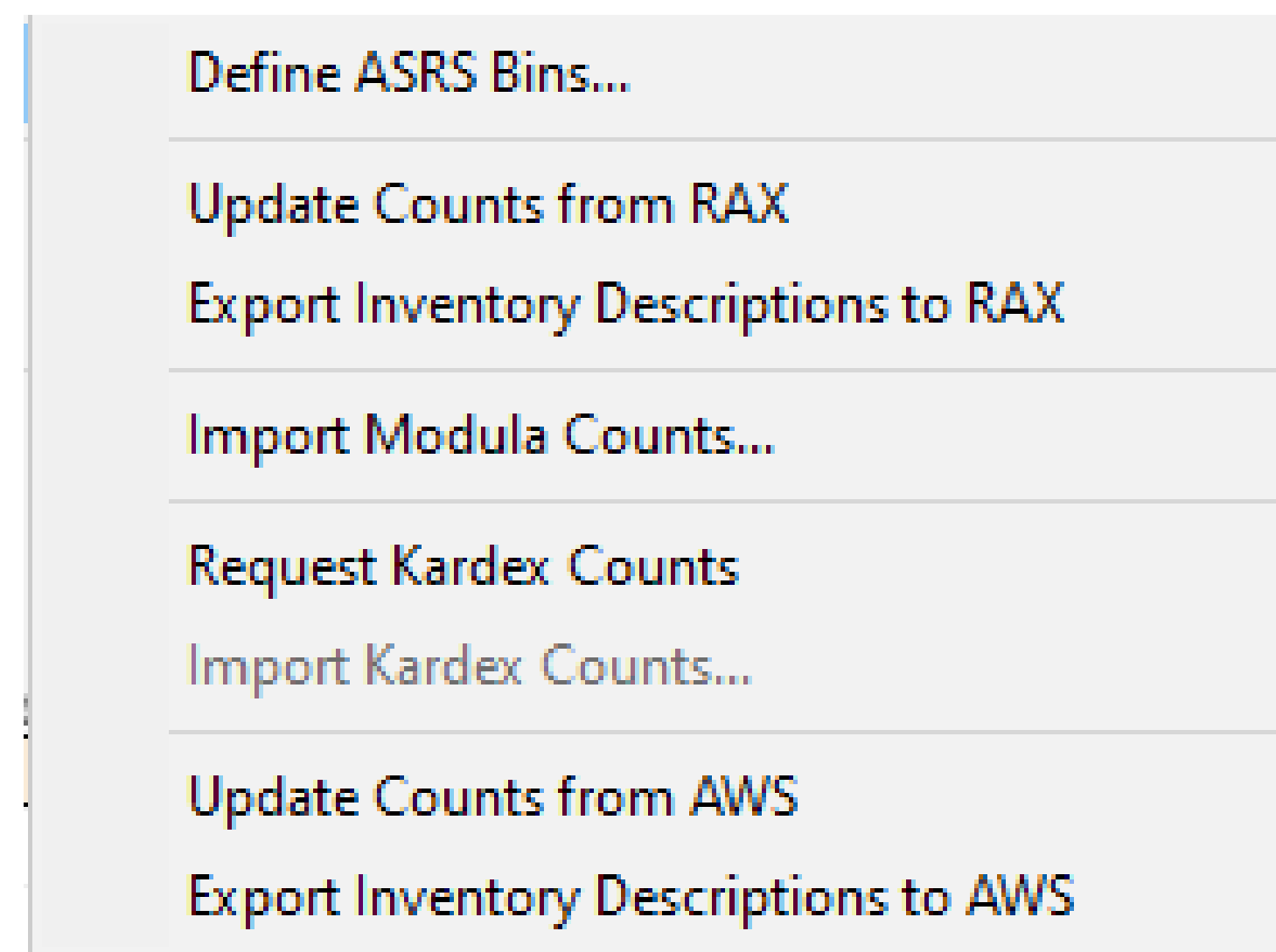
-Define ASRS Bins from the Inventory Editors



### Frame Inventory Editor [3,2,8,7,1]



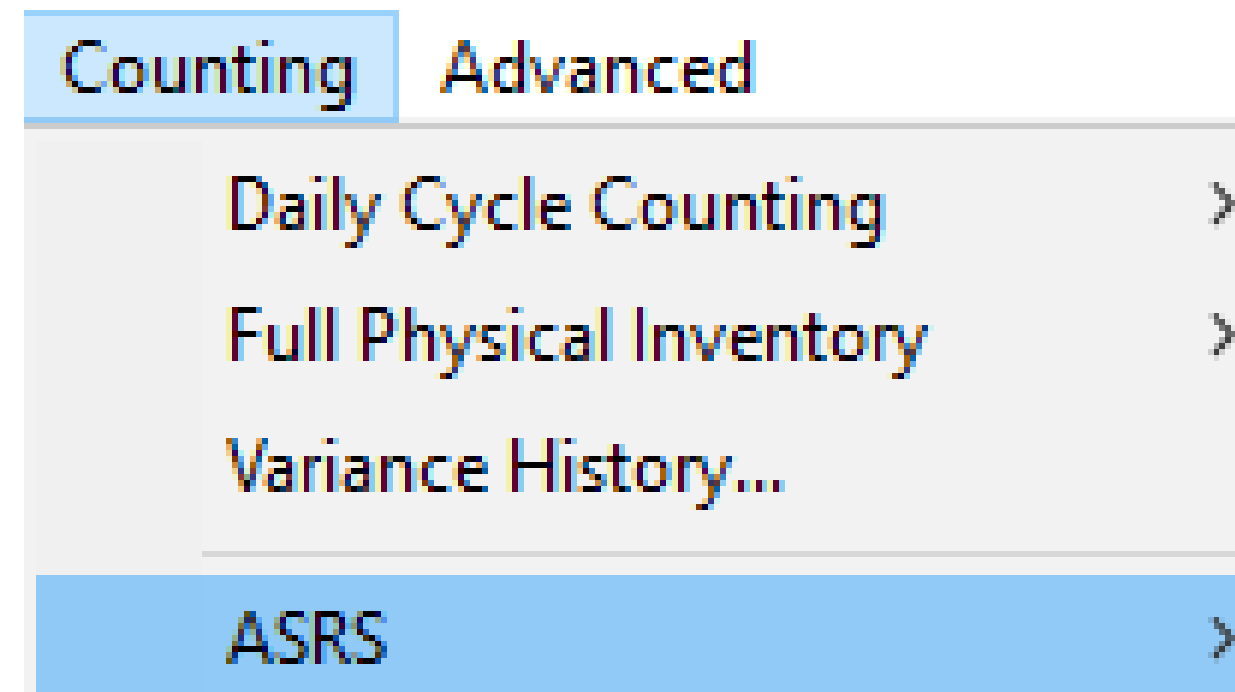
### Lens Inventory Editor [3,6,3]



# ASRS INTERFACES

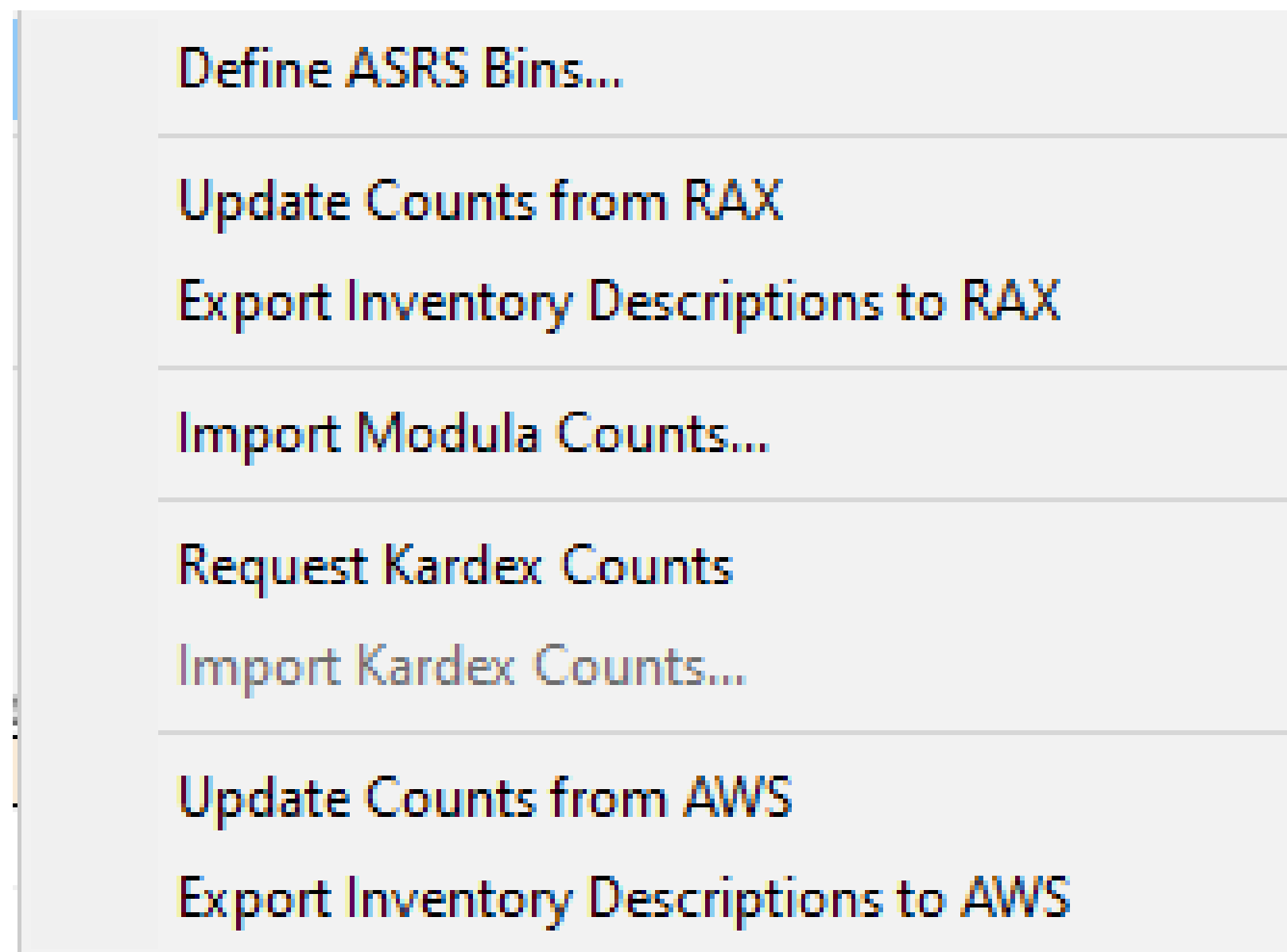
## Counting and Export Features [wsr]

- ◆ Export Inventory Descriptions for Bins defined as an ASRS

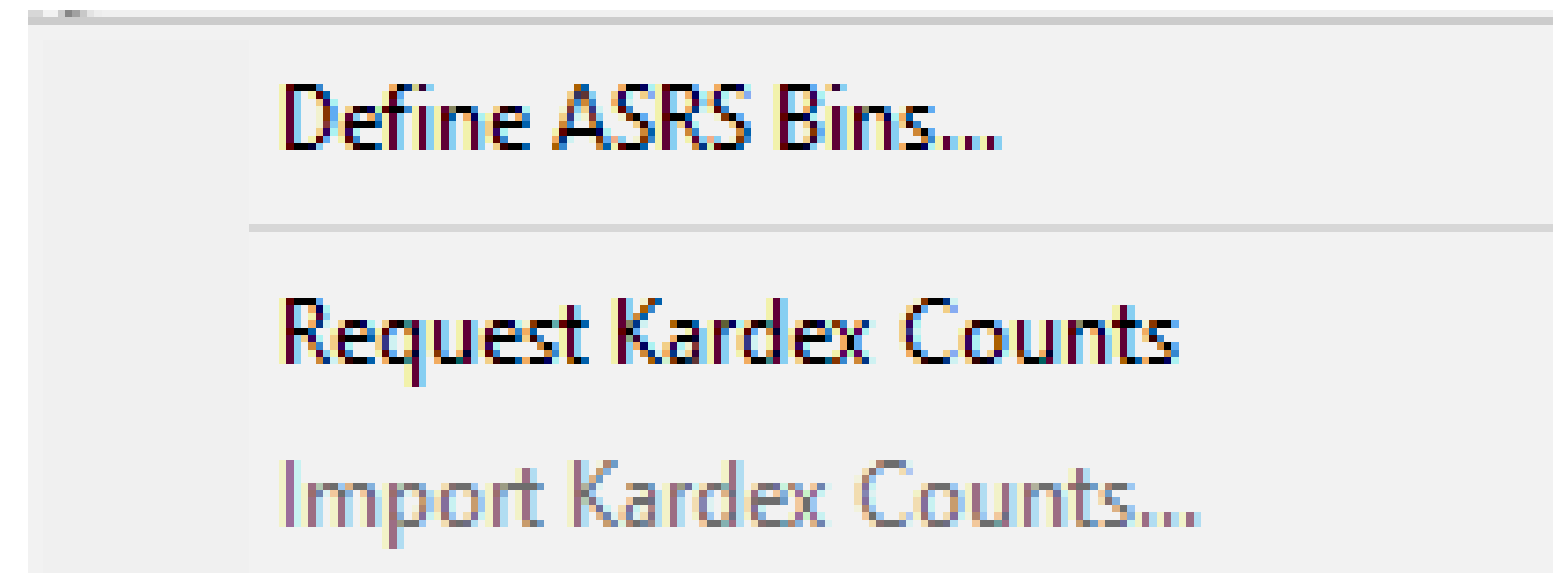


- ◆ Update the DVI system with quantity's stored in the ASRS with variance reports

## Lens Inventory Editor [3,6,3]



## Frame Inventory Editor [3,2,8,7,1]



# ASRS INTERFACES

## Pass/Fail Statuses

- ◆ View ASRS Statuses in Work In Process:  
[2,1] > F5 Rx Order [wsr]

Job Info	Value	
Status	Invoiced	
Status	Inspected	
ASRS	Right Passed	
ASRS	Left Passed	
ASRS	Frame Passed	
RFID	1445995925323	
Ordered Frame SKU	1312822	



# ASRS INTERFACES

## Manage your ASRS with the Combobulator

◆ Capture jobs that need to be routed to the ASRS

Define Queue

Queue Name: ASRS LENSES      Description: JOBS ROUTED TO THE ASRS

Job Inclusion Criteria

	Data Type	Operator	Value(s)	Eye(s)
1	Lens Bin Location	=	*01	
2	Frame Bin Location	=	*01	
3	ASRS Frame Sent	=	FALSE	
4	ASRS Lens Sent	=	FALSE	Default
5	ASRS Frame Failed	=	FALSE	
6	ASRS Lens Failed	=	FALSE	Default
7				

◆ Hold jobs until the ASRS confirms the item is available

Define Queue

Queue Name: ASRS HOLD      Description: ASRS HOLD QUEUE

Job Inclusion Criteria

	Data Type	Operator	Value(s)	Eye(s)
1	ASRS Lens Sent	=	TRUE	Default
2	ASRS Frame Sent	=	TRUE	
3	ASRS Frame Failed	<>	TRUE	
4	ASRS Frame Passed	<>	TRUE	
5	ASRS Lens Failed	=	FALSE	Default
6	ASRS Lens Passed	=	FALSE	Default
7				

◆ Isolate ASRS failures for operator review

Define Queue

Queue Name: ASRS FAILED      Description: ASRS FAILURES

Job Inclusion Criteria

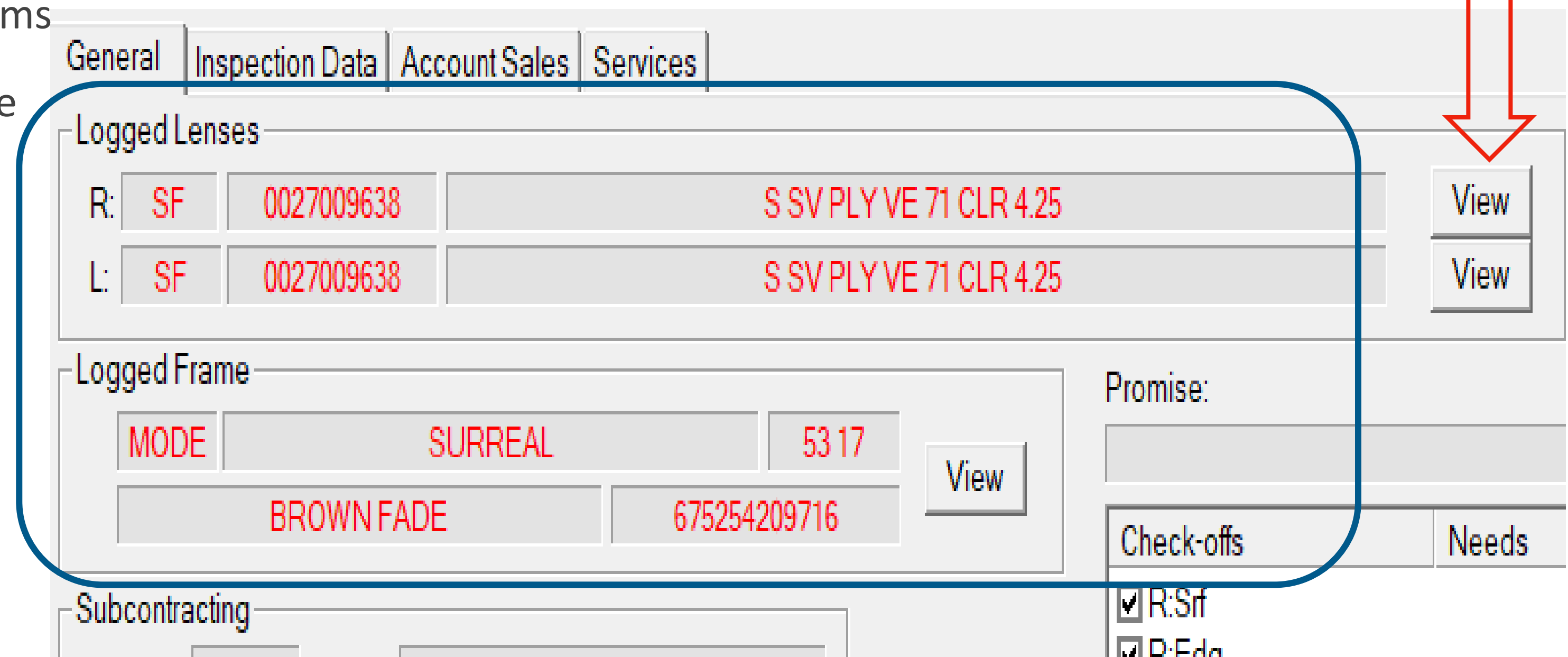
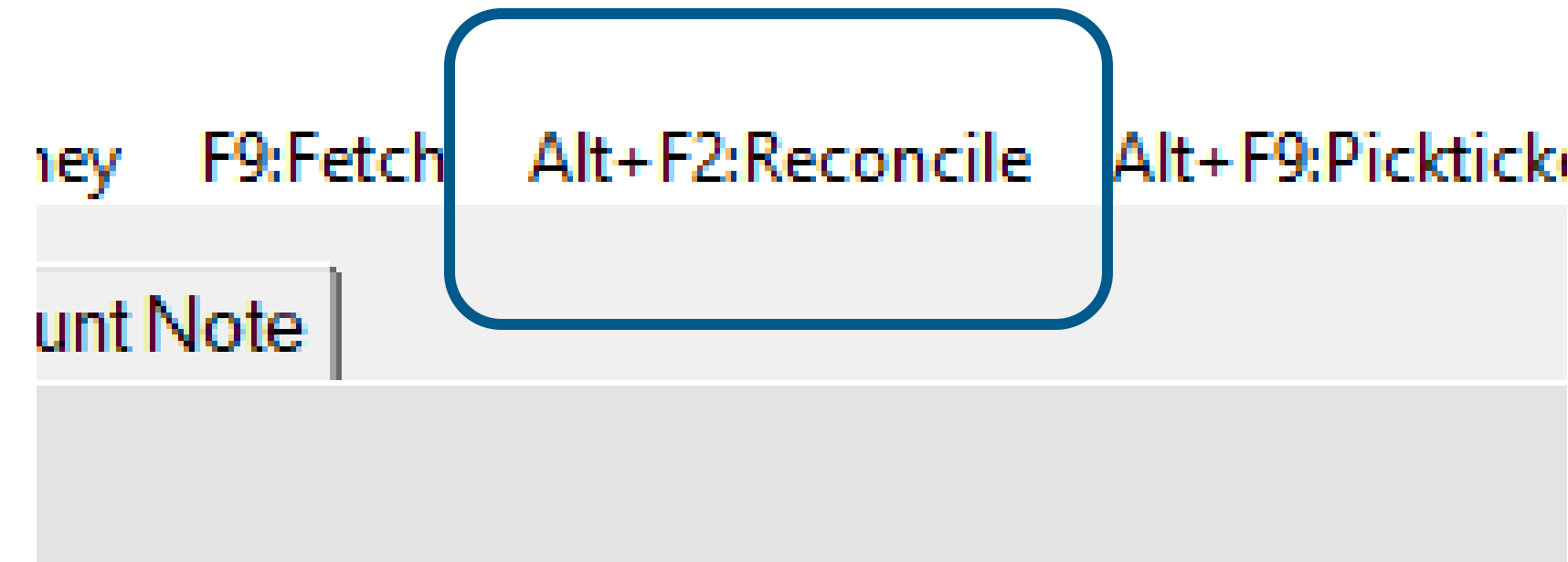
	Data Type	Operator	Value(s)	Eye(s)
1	ASRS Frame Failed	=	TRUE	
2	ASRS Lens Failed	=	TRUE	Default
3				

# LOGGING / USING ITEMS

When it comes to units leaving the inventory there are several ways that the system can be used.

- ◆ Stock Room Logging – Rx orders for lenses and supplied frames.
- ◆ Packing lists
- ◆ Stock Order Processing
  - This is used for Lenses / Frames and/or Misc items
  - Use the reconciliation feature to ensure that the correct item is being supplied

Account Inquiry gives you better visibility of the items that were logged, as well as the ability to jump to the picklist of the item that was logged.



# LOGGING / USING ITEMS



## Reminders:

- ◆ Be sure to create and use TRACE Stations for logging and unlogging of all types.
  - <4,8,7> Station Map
- ◆ Lens and Frame short orders from the Combobulator can automatically be appended to any existing Short order that has been created for the same date.
  - Enable in <4,8,1,1>
- ◆ You have the ability to disable the question to append short orders to 'like' unsent short orders in the lens short order menu. <3,6,4>, **and** frame short order menu <3,2,8,4> Settings, Append To Orders.

Require valid LDS Calc Before Short Ordering	N	
Append Combob Lens Shorts	Y	
Send invoice # with order?	N	Y=S
Append Combob Frame Shorts	Y	Y=A
Frame usage month	5	1-12

# LOGGING / USING ITEMS



## Picklists and How They Interact With Your Lens Inventory

- Picklist statuses that especially affect lens inventory
  - All of these changes apply in real time
    - C – Change with Stocked
      - The next item within 2mm of the size that is Stocked will be re-ordered as a replacement
      - 2mm is the default but this can be adjusted in DVI Setup
      - When QOH reaches 0, the Change with Stocked item will be marked with a N – Non-stocked status and swapped
    - D – Discontinued
      - The next item within 2mm of the size that is Stocked will be re-ordered as a replacement
      - When QOH reaches 0, the Discontinued lens will be marked with a X – Do Not Pick status
- Warn if Logging 0-QOH Lens <4,8,1,1>
  - Option should be set to Y to avoid logging a lens that does not exist in your inventory
    - Can point to receipt/cycle counting issues

# INVENTORY MANAGEMENT

## Transmitting Orders through Opticom

- ◆ Get the most out of your Frame UPC database and send purchase orders through Opticom with these manufacturers.
  - ASN receipt available with Modern Optical.
    - ◆ Avalon Eyewear
    - ◆ Avulux
    - ◆ Chlogan Eyewear
    - ◆ Eight to Eighty Eyewear
    - ◆ HILCO
    - ◆ Karun US
    - ◆ LTD Eyewear
    - ◆ Nouveau Eyewear
    - ◆ Modern Optical
    - ◆ R3 Safety
    - ◆ RLVNT
    - ◆ Rochester Optical
    - ◆ SafeVision by Hoya
    - ◆ Titmus
    - ◆ Zyloware

# INVENTORY MANAGEMENT



## Frame Vendor Setup

◆ Select a transmission method for your vendor

◆ Transmission Options

- **OPTFTP:** Use for OPTICOM SFTP ordering.
- **CSVEMAIL:** Use to create comma delimited emailed order file.
- **EMAIL:** Orders will be emailed to vendor.

Vendor Detail: MODE X

F1: Save and Return

MODE		MODERN OPTICAL		
Address				
City	State	Zip	Phone	Fax
Contact		Comment		
Email				
Ordering Parameters				
<input type="radio"/> No Ordering <input checked="" type="radio"/> Perpetual <input type="radio"/> Replenishment	Days to Order Sunday <input type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input checked="" type="checkbox"/> Thursday <input checked="" type="checkbox"/> Friday <input checked="" type="checkbox"/> Saturday <input type="checkbox"/>	Min Stock Level: <input type="text" value="2"/> Order Amount: <input type="text" value="2"/> Min <input type="text" value="0"/> Lead Time: <input type="text" value="4"/>	Min Order \$: <input type="text" value="0.00"/> Max Short <input type="text" value="0.00"/> Max Stock <input type="text" value="0.00"/> Keep Back Ords: <input type="text" value="0"/>	Request Back Order <input type="checkbox"/> Allow Multiple MFRs <input type="checkbox"/> Whole Frames Only <input checked="" type="checkbox"/> Require Confirmation <input type="checkbox"/> Mark as Net <input type="checkbox"/> Direct Frame Ordering <input type="checkbox"/>
Last Order: <input type="text" value="04/05"/>				
Order Transmission				
Method	Customer#	Phone	Ship Method	Short Ship
OPTFTP	123456			
TRACE	Xlate	Depot	Split To	Order Via
Short Order				

# INVENTORY MANAGEMENT

## Purchase Order Format Setup

- ◆ Customize Email and CSV Email Purchase Orders to meet vendor requirements
  - Frame Manufacturers (3,2,1,4)
  - F9: PO Format...

PO Format Setup - ARMOURX ✕

F1:Save F2:Load Defaults

Email Line 1 ▾

All		Selected	
Acct#		QOrd	Move Up
Address		MF	
Bill-to Account		Name	
City		Comp	
Cost		Color	
Inv#		Eye	
Name		Bridge	
Phone	>>	Temple	
Reference	<<	TmplSize	
State		Mtrl	
Zip		UPC	
		Tray#	Move Down

# INVENTORY MANAGEMENT



## Frame Direct Ordering

- ◆ CSV import/export minimizes labor on account setup & maintenance (wsr)
  - Update Accounts (3,4,1,1)
  - Other Commands > Accounts Frame Vendor Mapping

- ◆ Set Vendor Profile to 'Frame Direct Ordering' if billing is only for lab accounts (wsr)
  - Allows use of 'S' Frame status
- ◆ **Coming Soon:** Frame Direct Ordering through Opticom



# INVENTORY MANAGEMENT

## Frame UPC Management

### Frame Data Import.

- ◆ Import inventory records with a Tracing Points subscription
  - Frame Data [3,2,1,1] > F3: Catalog
    - ◆ If you don't see the inventory you are looking for email [Frames@thedvi.com](mailto:Frames@thedvi.com) for assistance.
- ◆ Valid UPC and EAN barcodes are required for Opticom ordering
- ◆ Identify missing or incorrect UPC from the Frame Inventory Editor [3,2,8,7,1] > Advanced
  - Display Records without UPC
  - Display Records with Non-Conforming UPC

### Advanced

Export Records to Excel

Combine Like Records

Display Invalid Records

Display Records Without UPC

Display Records with Non-Conforming UPC

Teach Bins...

Inventory System Information...

Update from CSV...

# INVENTORY MANAGEMENT



## Miscellaneous Inventory

- ◆ Mark misc items as 'OrdAsFrm' to combine with Frame purchase orders

Show Default Columns  
Show All Columns

- Bin
- Cost
- Counts
- Desc
- Division
- InvCat
- Item
- Mfr
- Ordering
- Price
- StkStat
- UPC
- Usage

DaysTil  
LeadTime  
LotSize  
MReturn  
MaxStk  
MinOrder  
MinStk  
OrdAsFrm  
OrdDays  
QTO  
StkDays  
WReturn

Misc Inventory

F1:Create Text Report F2:Save Changes F3:Display F4:Look Up By UPC F5:Add Record F6:Clear Screen Counting Advanced

Mf Code Start Bin End Bin Stat Div Inv Cat

TITM

51 record(s) changed.

Mfr	Item	Desc	UPC	StkStat	Price	Cost	QOH	OrdAsFrm
TITM	A800	A800-CLEAR	731613187900	N	3.74	0.00	0	Y
TITM	A801	A801	731613187917	N	4.42	0.00	0	Y
TITM	B-8 OVERSIZE W/SBLC	B-8 OVERSIZE W/SBLC	731613613669	N	2.61	0.00	0	Y
TITM	BC116-BROWN	BC116 - TEMPLE (PR.)-BROWN	731613193208	N	16.73	0.00	0	Y
TITM	BC116-GUNMETAL	BC116 - TEMPLE (PR.)-GUNMETAL	731613193239	N	16.73	0.00	0	Y
TITM	BLK/YLW DUST DAM	SW06 DUST DAM BLK/YLW	731613184503	S	10.00	6.66	0	Y
TITM	C101	C101-CLEAR	731613866935	S	5.00	3.98	34	Y
TITM	C102	C102 SIDE SHIELD CLEAR	731613105778	N	5.00	1.50	0	Y

- ◆ Vendor doesn't need to have frames to generate frame PO's for misc items.
  - Save on labor going between the two programs.

**DIGITAL  
VISION**

**THANK YOU**

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