

# eyecon®

Avery Weigh-Tronix



## Revolutionary Tabletop Automation

Prescription Validation,  
Counting and Filling System



Visual Precision Counting™



## Eyecon® is a revolutionary pharmacy automation system

Eyecon is fast becoming the preferred choice of pharmacies that have decided to automate their prescription filling process. Filling automation improves Rx accuracy, resulting in improved inventory control and saving an average pharmacy thousands of dollars per year.

Eyecon's unique Visual Counting System™ is up to 76% faster and significantly more accurate than manual counting. It helps reduce tedium and stress while allowing employees to spend more time with customers. Your customers will benefit from improved customer service and Rx accuracy.

### Satisfied Eyecon Owners

Below are a few comments from Eyecon owners:

*"I have had one for about six months and I wouldn't use anything else!"*

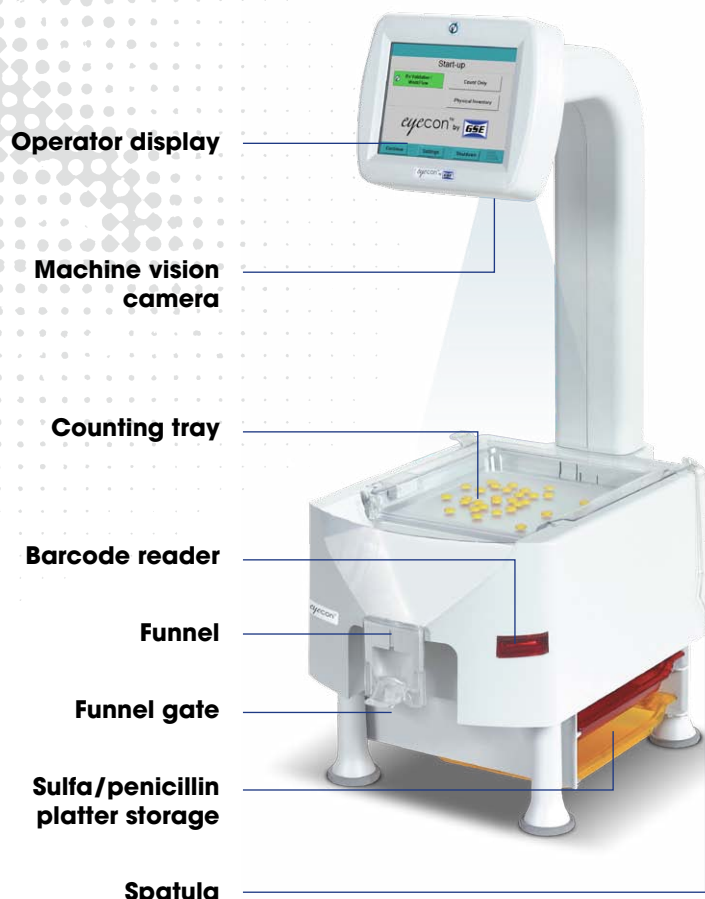
*"We have two in our pharmacy — best investment for safety and security in the pharmacy. Cannot believe I went so long without them!"*

*"It's nice to be able to go home and rest knowing that everything has been filled correctly!"*

Visit our website to see a growing list of endorsements from pharmacists across the country:

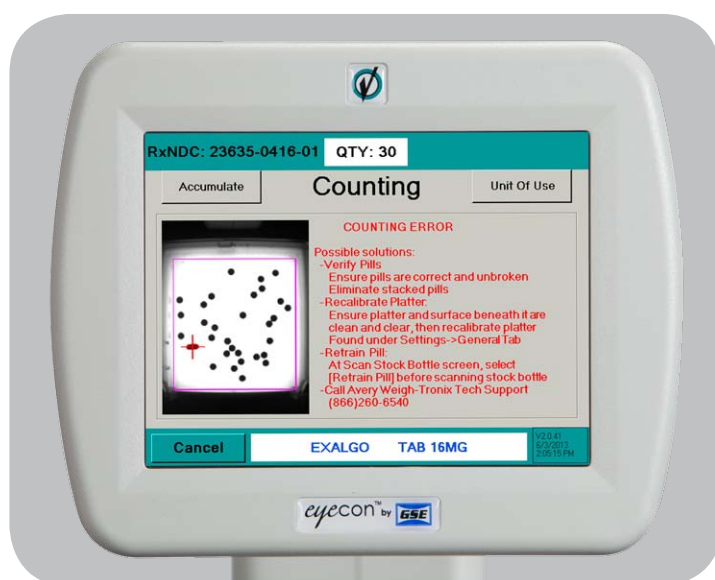


# How Eyecon works



Eyecon is a unique machine vision counting system. A camera mounted above the counting platter captures photo images used to count pills five times per second.

- **Safety** - Validation mode ensures customer safety with proper dispensing. Separate sulfa and penicillin platters prevent cross-contamination.
- **Speed** - Counts poured pills in 200 ms, updating pill count up to 5 times per second.
- **Accuracy** - Field-tested approaching 100%.
- **Quality** - Recognizes and identifies foreign matter and tablet fragments of dissimilar size and shape.
- **Confidence** - The open design allows quick and easy inspection of the medication being dispensed.
- **Versatility** - Counts all sizes and shapes of capsules and tablets. Can also be used for validation and inventory of ointments, creams, solutions and pre-packs.
- **Longevity** - Regular updates to drug database and user interface.
- **Cleaning** - No hidden compartments or disassembly required.
- **Photographic Documentation** - An annotated pill tray photograph with individually numbered pills is saved for every Rx transaction.
- **On-Screen Reports** - Various transaction reports can be viewed on the Eyecon's screen and exported when needed. The pill tray photo(s) associated with any selected transaction can be viewed and easily transferred to your pharmacy computer.



**Counting Errors** - If Eyecon detects objects on the tray that are sufficiently different in size or shape than the pills being counted, a counting error screen is shown. A pill tray photo displays the object(s) in question identified by a red plus sign.



# Rx validation mode

Eyecon helps ensure that the medication dispensed into the vial matches what is on the prescription.



**Scan Label** - Scan barcode containing NDC, quantity, and Rx number.



**Scan Bottle** - Scan barcode on stock bottle to validate that you've pulled the correct medication.



**Verify** - Eyecon will proceed to count mode if Rx label matches the stock bottle. Eyecon will display error if mismatch is detected.



**Count Pills** - Pour pills onto tray until display turns green, indicating match between required number of pills and number of pills on the tray (see below).



**Dispense** - Press Finish button to record the transaction, then lift platter to slide pills into funnel.



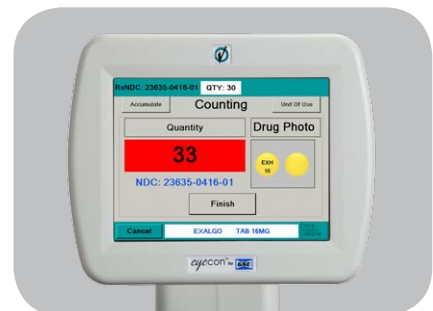
**Fill Vial** - Use vial to lift funnel gate and allow pills to flow into vial.



*Yellow indicates under count.*



*Green indicates correct count.*



*Red indicates over count.*

# Counting features



## Alert Screens

When various error conditions occur, an alert screen is displayed, notifying the operator of the problem.

- **Wrong Fill Quantity Warning** – When finishing a fill in validation mode, if the displayed quantity does not match the prescription quantity, a warning is displayed allowing the operator to correct the fill amount. This prevents a common cause of fill errors when the operator unintentionally dispenses the incorrect quantity.
- **Partial Fills** – Eyecon tracks partially filled prescriptions. When stock is replenished and the Rx label barcode is scanned, a notice of the prior partial fill is provided to the operator. A tray photo is saved for each dispensed amount.
- **Generic Substitutions** – Allows the operator to dispense a generic equivalent of the NDC that was specified in the data sent to Eyecon. An alert screen is shown allowing the operator to accept or refuse the substitution. This feature can be disabled if desired.

## Annotated Tray Photo

Eyecon is the first vision-based validation and pill counting system that also saves a photo of every transaction. If a count is questioned, the photo can be viewed and/or printed. Every pill is sequentially numbered and all of the prescription data is annotated onto the photo as shown in the sample below.



## Eyecon in Action

Get a sense of the true speed of Eyecon counting by viewing a testimonial video. The video shows an experienced operator using Eyecon to fill prescriptions, as well as an interview with the pharmacy owner.



Visit: [www.youtube.com/EyeconVPC](http://www.youtube.com/EyeconVPC)

# Physical inventory mode

Use Eyecon to periodically perform a physical inventory or cycle count. Using a similar process as prescription filling, Eyecon quickly counts all medications within the pharmacy and records the results in a database.

- 1. Scan the stock bottle at Eyecon.**
- 2a. For discrete pills, pour the pills onto the tray.**  
Eyecon counts the pills just as if it were counting them to fill a prescription. If the stock bottle contains more than what the tray will hold, use the accumulate function to empty the tray and resume counting.
- 2b. For full bottles, blister packs, liquids, or other non-countables, press Unit of Use to display the full package quantity.** Press the Ok button to accept or edit as necessary.
- 3. Store records.** Press the Finish button to store the results.
- 4. Download results.** After counting inventory, go to the settings menu and press the Download Report Data button to convert data into a format suitable for importing.



- Reduce carrying costs by increasing inventory turns and eliminating excess inventory.
- Free up staff to conduct more patient consultations by minimizing time spent on ordering and receiving product.
- Reduce inventory variances and conduct fewer physical inventories due to increased prescription filling accuracy.
- Significantly reduce time spent conducting physical inventories.

## Unit of use

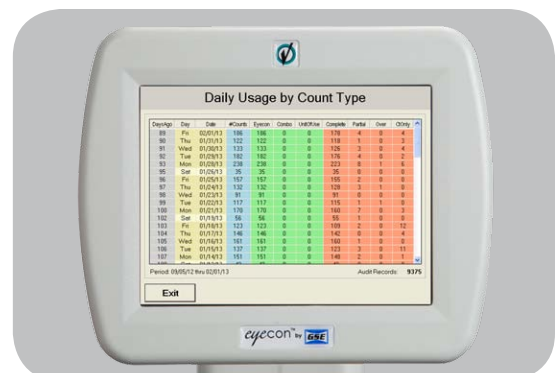
Unit of Use allows the operator to dispense a full bottle or manually entered quantity and record that in the Report Database. Also allows the combining of Eyecon counted pills with the full bottle or manually entered quantity.

Within inventory mode, Unit of Use allows multiple full bottles to be scanned and counted and then added to the quantity in the open bottles for faster, more accurate physical inventory counts.



## Audit reports

Audit reports allow staff to analyze various aspects of prescriptions filled by Eyecon. Using filters, you can choose to view only C-II prescriptions, only fills of a specific NDC #, all fills performed by specific user, all open partial-fills, or a summary of the types and number of prescriptions filled per day, and more.

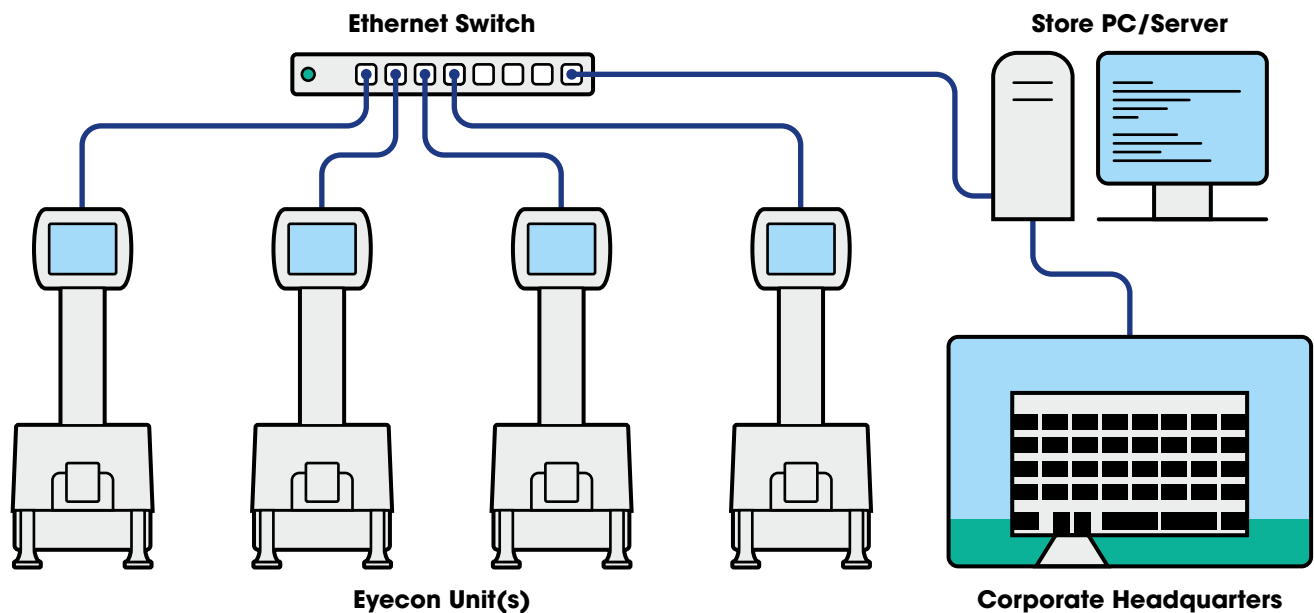


# Connectivity

Every Eyecon unit includes a built-in Ethernet interface to connect with a variety of pharmacy management software systems. After data entry, the prescription record is sent to the Eyecon where it is held until the associated Rx# or Order ID barcode is scanned. Next, the prescribed NDC is validated against the stock bottle to ensure the correct drug is dispensed. After the

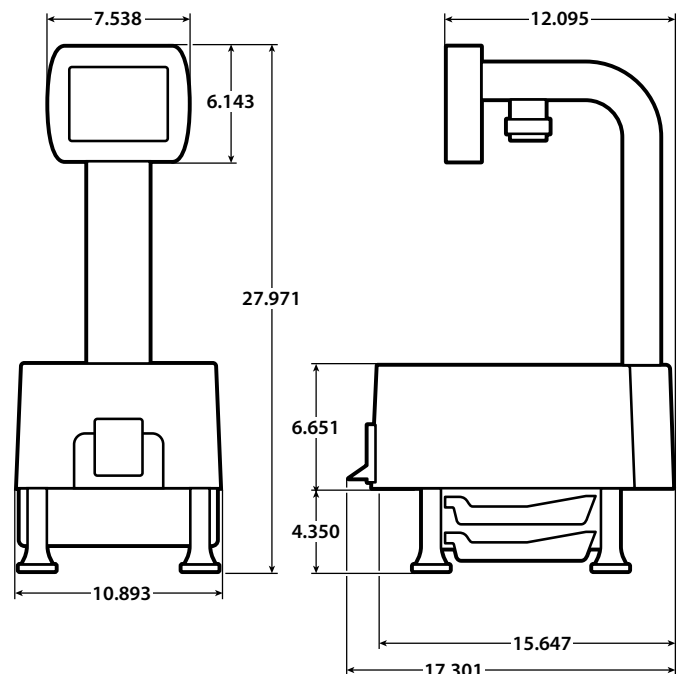
prescription has been filled, data can be transmitted back to the pharmacy system to record data about the fill.

Eyecon can also transfer a summary of all physical inventory counts to more quickly and accurately update perpetual counts in an inventory management system.



# Specifications

- **Platter Surface Area:** 48" sq
- **Dimensions:** 28" H x 11" W x 17.5" D
- **Weight:** 18 lb (30 lb ship weight)
- **Screen:** 6.5" Color LCD flat panel touchscreen
- **Integrated Barcode Scanner:** Class I Laser, Standard symbologies
- **Warranty:** Two year limited
- Pill database updates provided regularly.
- Interfaces to numerous pharmacy management software systems.
- Two (2) USB Ports
- Ethernet Port
- **Power:** 100-240 VAC, 47-60 Hz
- **Approvals:** FCC, ETL safety approvals for USA and Canada
- US Patent Pending





# Return on investment

For most pharmacies, Eyecon pays for itself very quickly. For new pharmacies, Eyecon can delay the need to hire additional staff while providing the reassurance that your prescriptions are being filled correctly. Established pharmacies will discover increased throughput and accuracy.

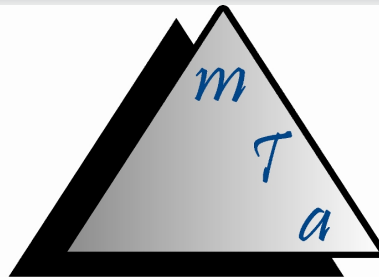
- Eliminate over-dispensing and giving away pills.
- Fill prescriptions more quickly for reduced patient wait-time.
- Reduce customer frustration by avoiding under-fills.
- Ensure the correct drug is dispensed.
- Fewer short-fills due to more accurate inventory.
- Reduce time spent on physical inventories.
- Reduce the number of nuisance claims of under-filled prescriptions for narcotics.
- Many false claimants cease attempts to obtain more pills once they are shown the annotated tray photo.
- Reduce legal liability through stock bottle validation and enhanced record-keeping.
- Save time and improve the accuracy of keeping track of partial fills.
- Produce reports for external auditors to document prescription filling activity.
- Be confident placing higher price and narcotic NDCs into robotics by using Eyecon to double-count.

## Testing shows Eyecon is fastest.

Prescription filling process was timed from stock bottle (start) to patient vial (finish). Process was performed 5 times to calculate average Rx fill time. Individual results may vary.



Pill Count	Product	Avg. Fill Time
30 pills	GSE Eyecon®	13.6 sec
	GSE Model 664 Scale	15.6
	Competitive brand	17.1
	Hand counting	26.9
60 pills	GSE Eyecon®	14.1 sec
	GSE Model 664 Scale	16.9
	Competitive brand	21.9
	Hand counting	47.7
90 pills	GSE Eyecon®	15.9 sec
	GSE Model 664 Scale	17.0
	Competitive brand	26.8
	Hand counting	66.6



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