

## CAMERA SCANNER RESERVATIONS

- Maximum 2 hours per day reservable
- List date and time you would like to reserve on the sheet below.
- If someone is using the scanner when you arrive at your designated time, talk to them, or ask a volunteer or staff person to help you resolve the time conflict.
- If you are at someone's reserved scanner, please respectfully & promptly vacate for the reservation.
- Scanner reservations apply only during regular open hours: Wed - Sun, 12-8 p.m.

**Scanner 1** is the Flatbed Scanner - No reservation needed. (Left)

**Scanner 2** is the Original DSLR Camera Scanner. The lens is manual focus. (Center)

**Scanner 3** is the Mirrorless Camera, with an autofocus lens. (Right)

Date	Name	Time start-finish	Scanner preference 2 or 3
June 6th	Tyler	1-3	Scanner 2
June 10	Chelsea	3-5	Scanner 3
June 10	Justin	6-8	Scanner 3
June 17	Chelsea	12:30-2:30	Scanner 3
June 19	Michele	1 to 3	Scanner 3
June 20	Megan & Liz	3-5	Scanner 1
June 20	Annalise	5-7	Scanner 3
June 21	Marcie	whenever Kieth is done	#3
June 24	Rick	12-2pm	Scanner 3
June 24	Alexis	1-3pm	Scanner #2
June 28	Daphne	3:30-5:30	Scanner 3
July 5	Cain	5:30-7:30pm	Scanner 3
July 9	Evelynn	5:30 - 6:30	Scanner 3
July 2	Kailey	4:30-5:30	Scanner 4
July 3	Tyler	4:00 -- 6:00	#2
July 3	Andrew	12:30-2:30	Scanner 3
July 5	Michele	4-6	Scanner 3
July 5	Tyler	6-8	Scanner 2
July 8	Chelsea	3-5	Scanner 3


## Scanner Specifications

### Epson V800 flatbed scanner. (Scanner #1)

This scanner says it goes up to 6400 dpi. This overstates its optical ability  
Effective resolution is closer to 2400 dpi. Beyond this no additional detail will be captured.

<p>Pros:</p> <ul style="list-style-type: none"> <li>Can Batch scan automatically</li> <li>Can scan negatives up to 8x10in</li> <li>Glass negative carriers hold negatives flat</li> </ul>	<p>Cons:</p> <ul style="list-style-type: none"> <li>Lower resolution than camera scanners</li> <li>Very slow at high resolutions</li> <li>Glass negative holders increase optical issues.</li> <li>Not recommended for 35mm negatives</li> </ul>
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35mm negatives may produce disappointing results if enlarged.  
Best use case is scanning large format negatives where you want to create a huge file.  
**Best scanner for sheet film.** 4x5 negative at 2400 dpi = 9,600 by 12,000 pixels.

### Camera Scanner #2

This scanner setup uses a Canon T3i camera with an 18mp APS C crop sensor.  
Tethered capture is through Lightroom (for the moment)  
The lens is only manual focus.

<p>Pros:</p> <ul style="list-style-type: none"> <li>Produces better results than the flatbed for 35mm negatives. Has better dynamic range than the flatbed. Produces 14 bit Canon raw (CR2) files that have a lot flexibility in post production</li> <li>Much faster to scan negatives than with the flatbed.</li> <li>18mp is more than most film labs will scan to.</li> </ul>	<p>Cons:</p> <ul style="list-style-type: none"> <li>Lightroom doesn't tether well, so film will need to be positioned using the back screen on the camera.</li> <li>Camera screen is also used to focus since lens is manual focus only.</li> <li>Focus should be checked often while scanning.</li> <li>Scanner #2 is superior in every way.</li> </ul>
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**35mm negatives will scan to a maximum of 5184 x 3456 pixels.**  
Best use case is you want to use a camera scanner, but scanner #3 is being used.

### Camera Scanner #3

This scanner uses a mirrorless Canon R camera with a full-frame, 30mp sensor.  
Tethered capture is through Canon utilities.  
Lens is autofocus

Pros: Best scanner for small and medium format. Autofocus makes it very quick to go through a roll of film	Cons: Copy stand riser is fiddly.
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**Best scanner for roll film.** 30mp means 6720 x 4480 pixels max. 14 bit raw file has a lot of dynamic range and color flexibility.