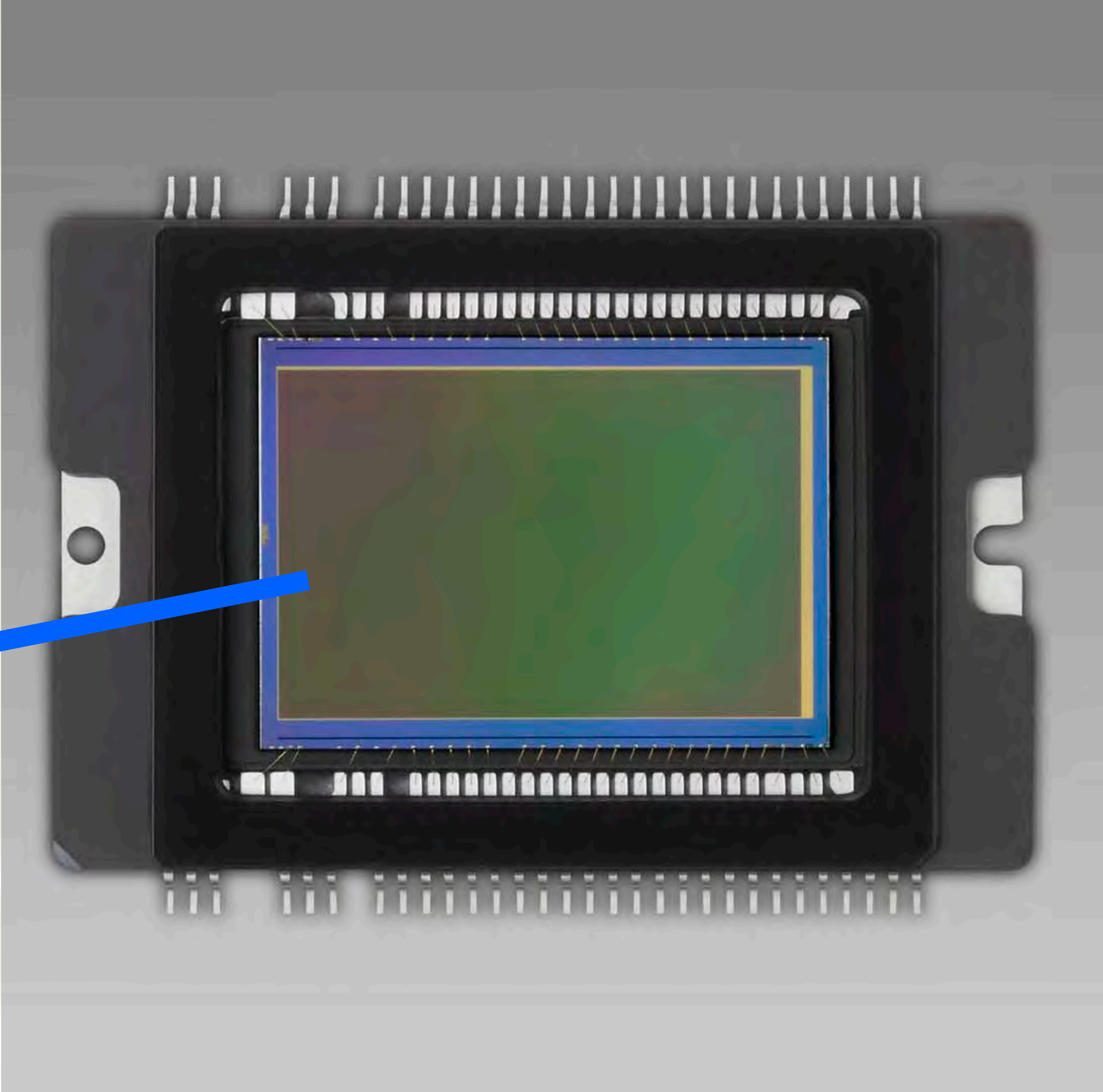


A person is shown in profile, holding a transparent, curved camera sensor. The sensor is illuminated with a green and yellow light, and it displays a distorted, inverted image of the person's face. The background is dark.

Eine Kamera wie Klarsichtfolie der weltweit erste transparente und biegbare Bildsensor

Alexander Koppelhuber

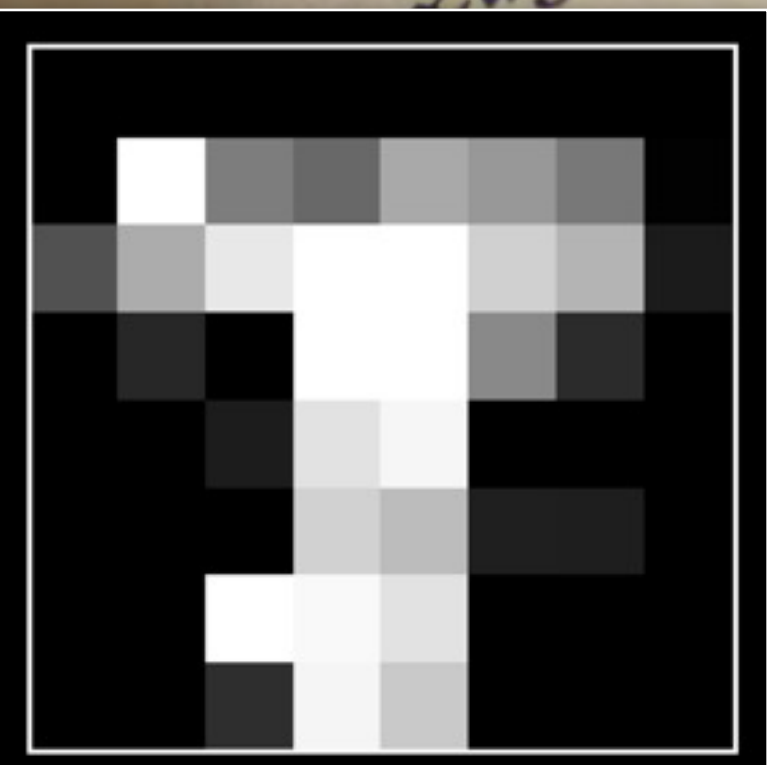
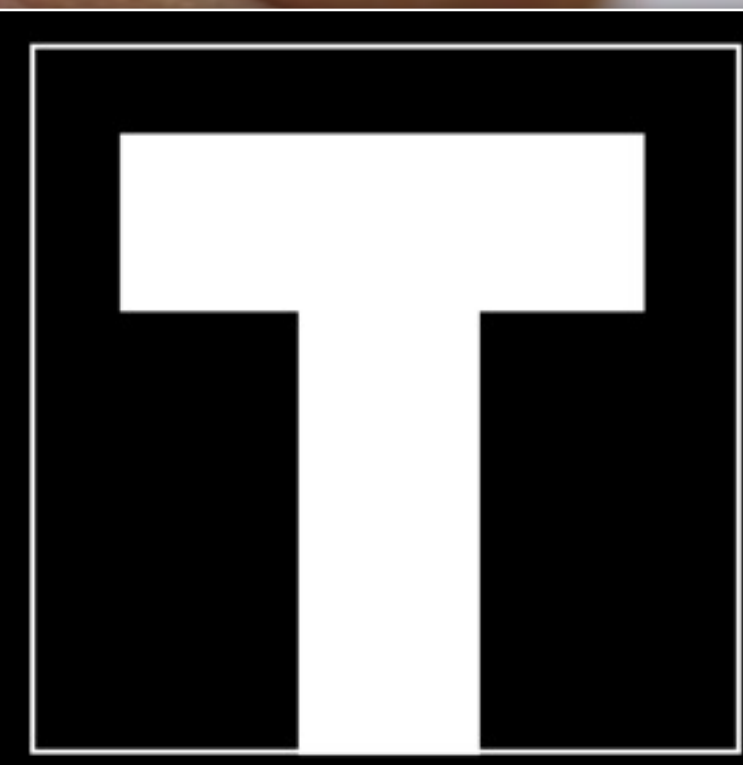


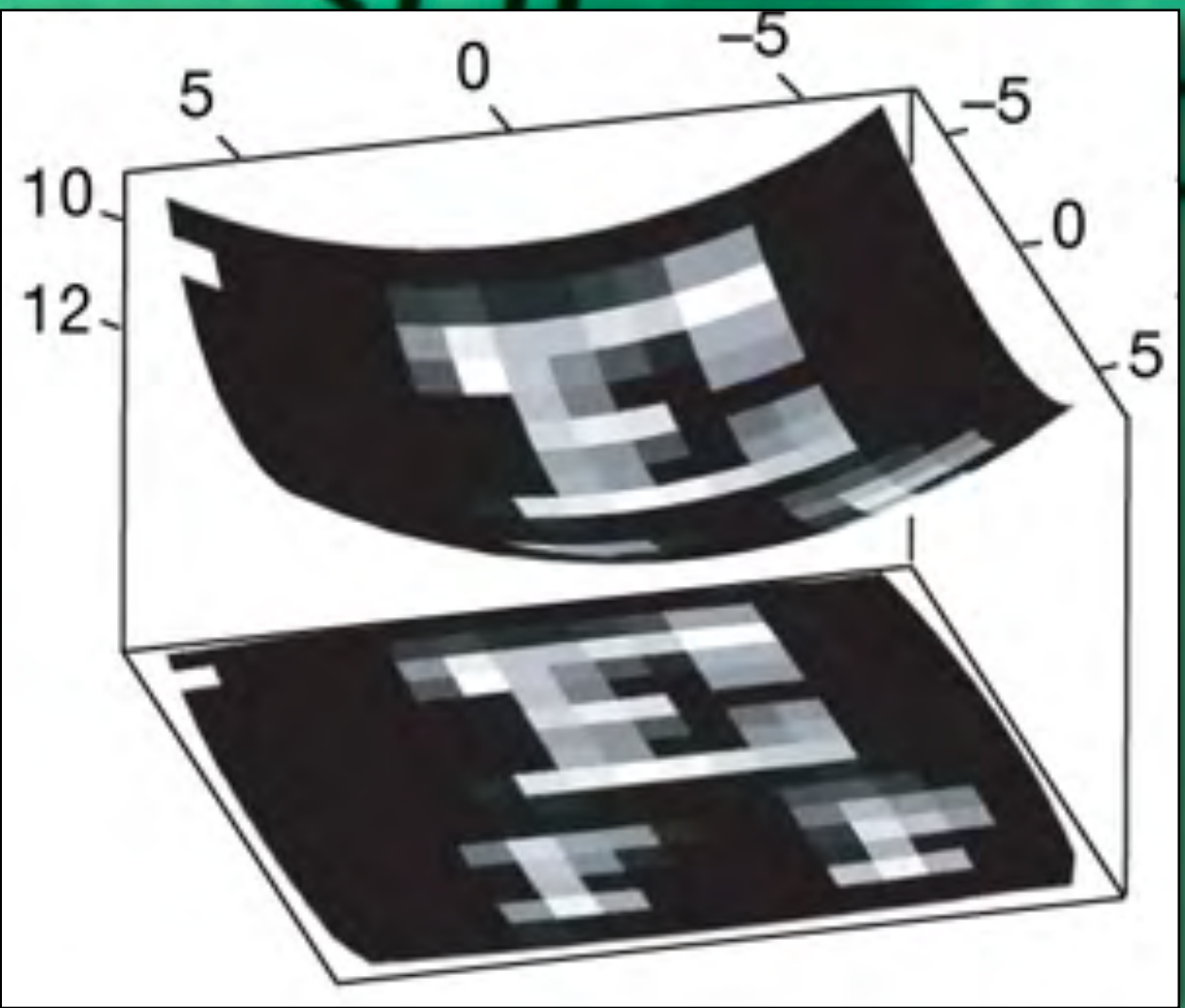
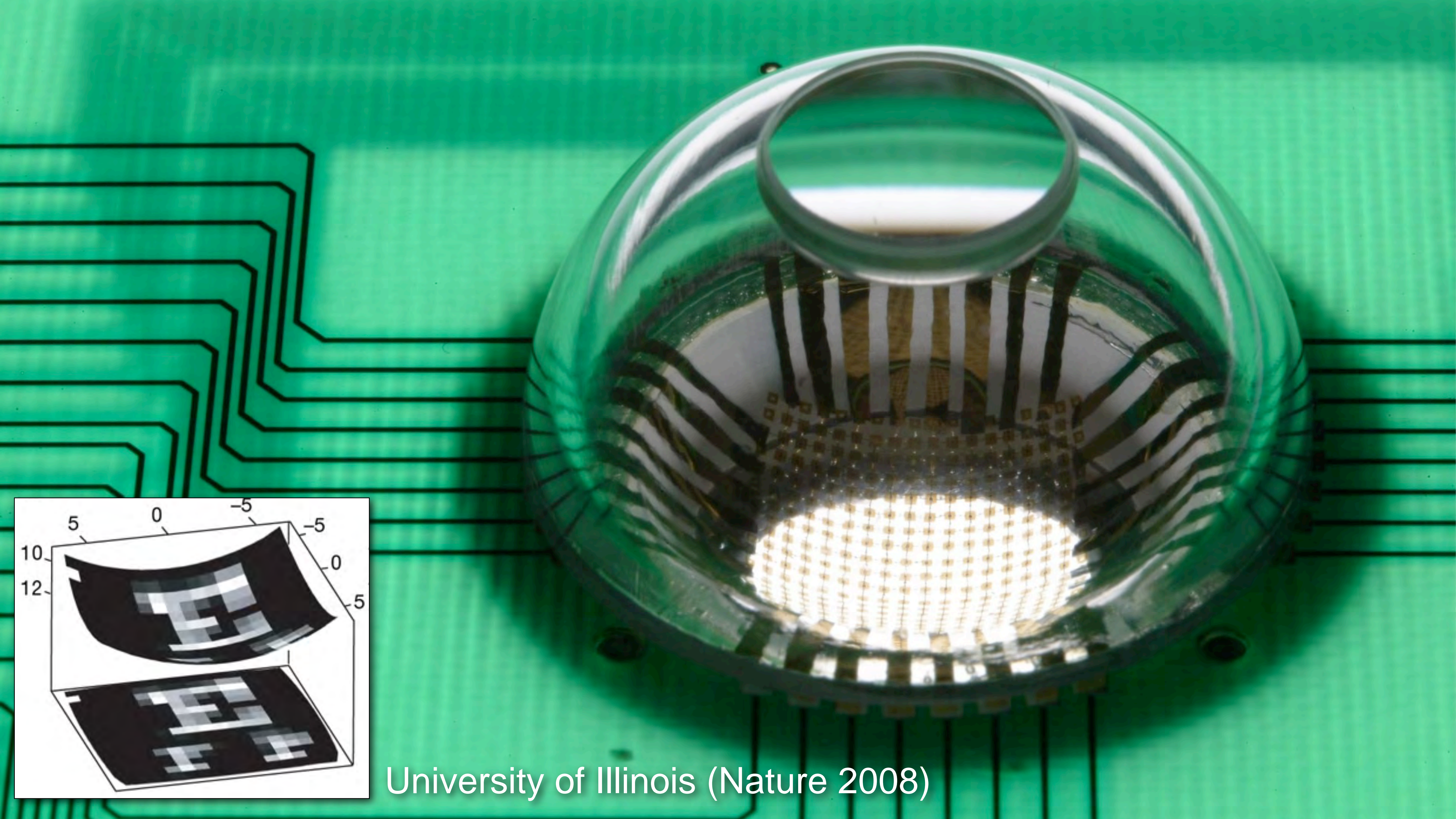
Plattköpfig,
Sie lauern ums Feuer, und
Sich Fische, und quäsen und schreien.
Die Mädchen horchten ernstlich,
Und endlich sprach sie:
Das Schiff war
Dunkelste

Treib
Komm
Wir for
Leg an
Und fürchte
Vertraust du
Täglich dem

weisen die Wellen,
wölben und brausen und tosen.
In dunkler Höh', mit wilder Macht,
Regengüsse träufen;
Wie, als wollt' die alte Nacht
das alte Meer ersäufen.
In den Mastbaum flammert die Möwe sich
heiserem Schreien und Schreien;
Er flattert und will gar ängstiglich
das Unglück prophezeien.

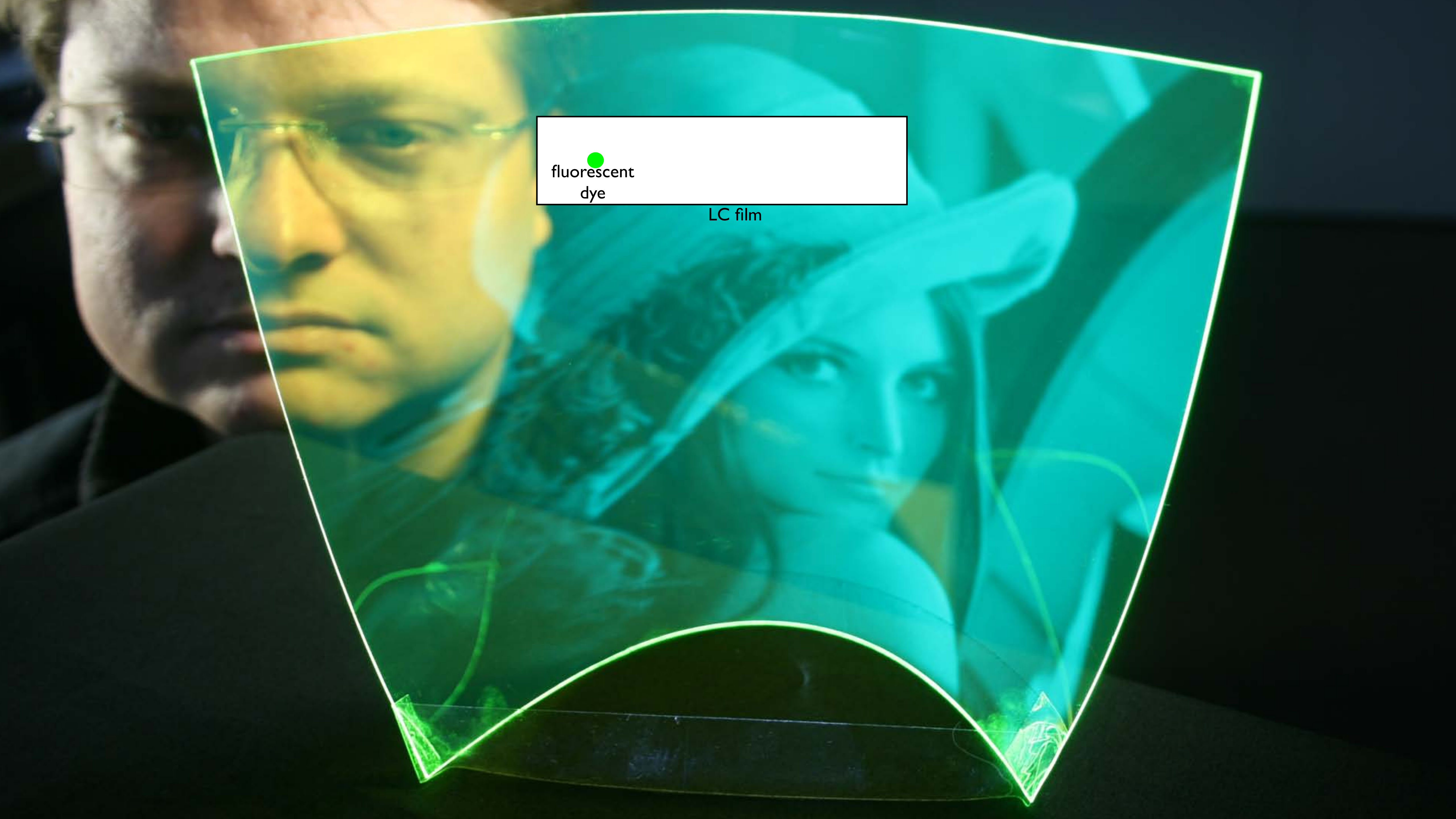
11.
Der Sturm spielt auf zum Tanze,
Er preist und faust und brüllt;
In der Lieder.





University of Illinois (Nature 2008)





●
fluorescent
dye

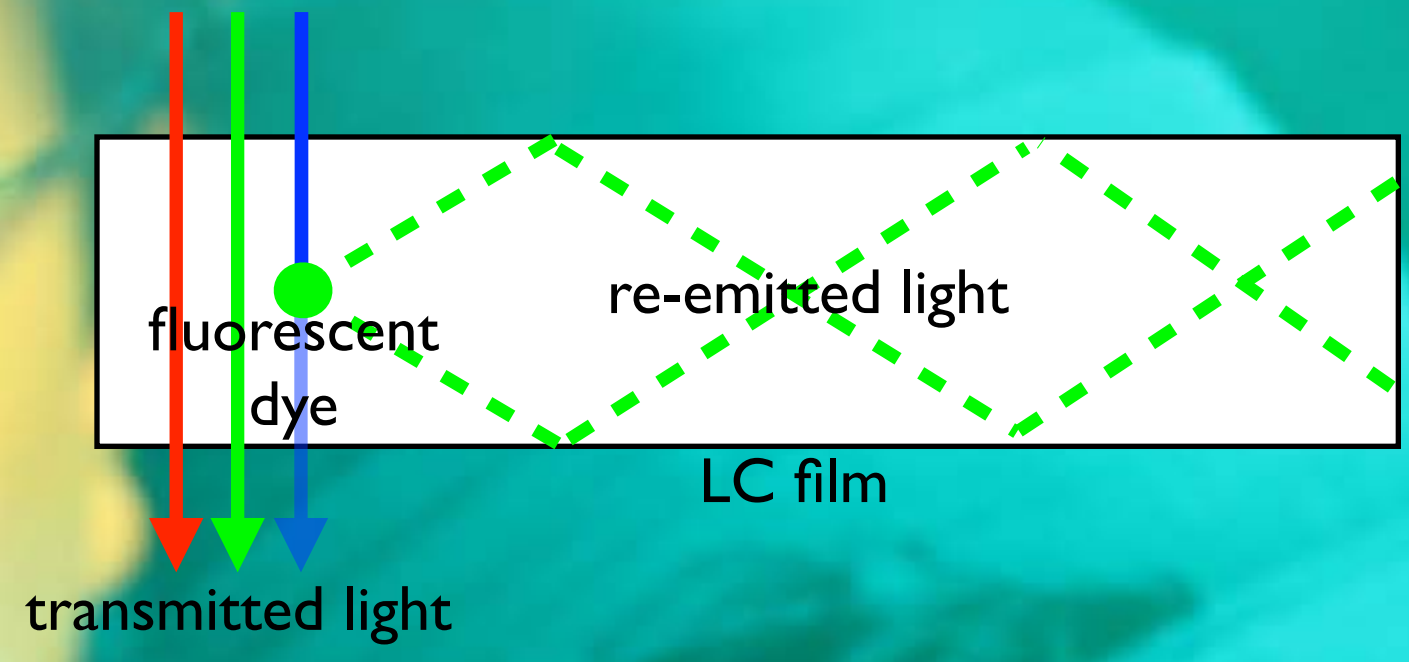
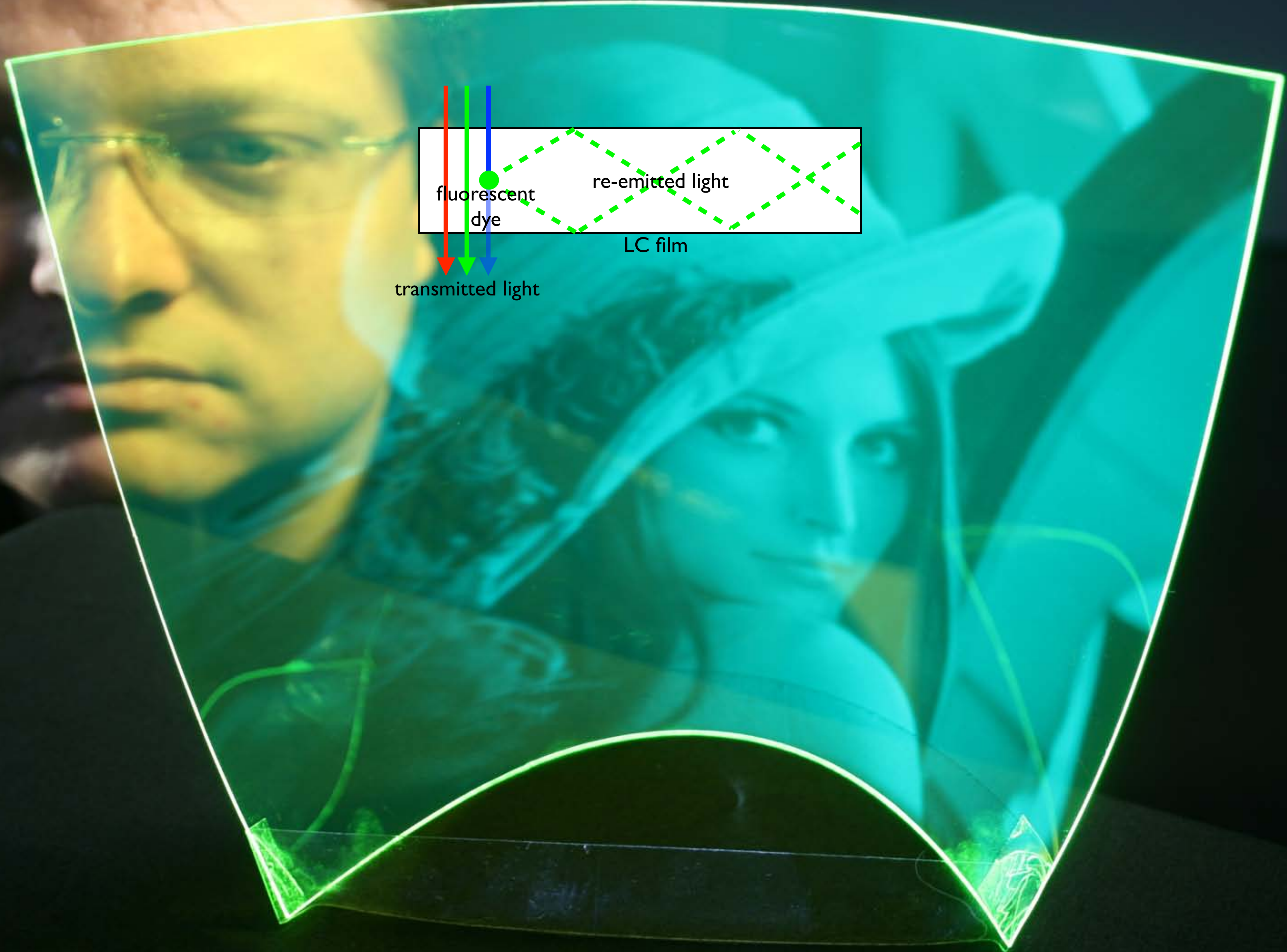
LC film

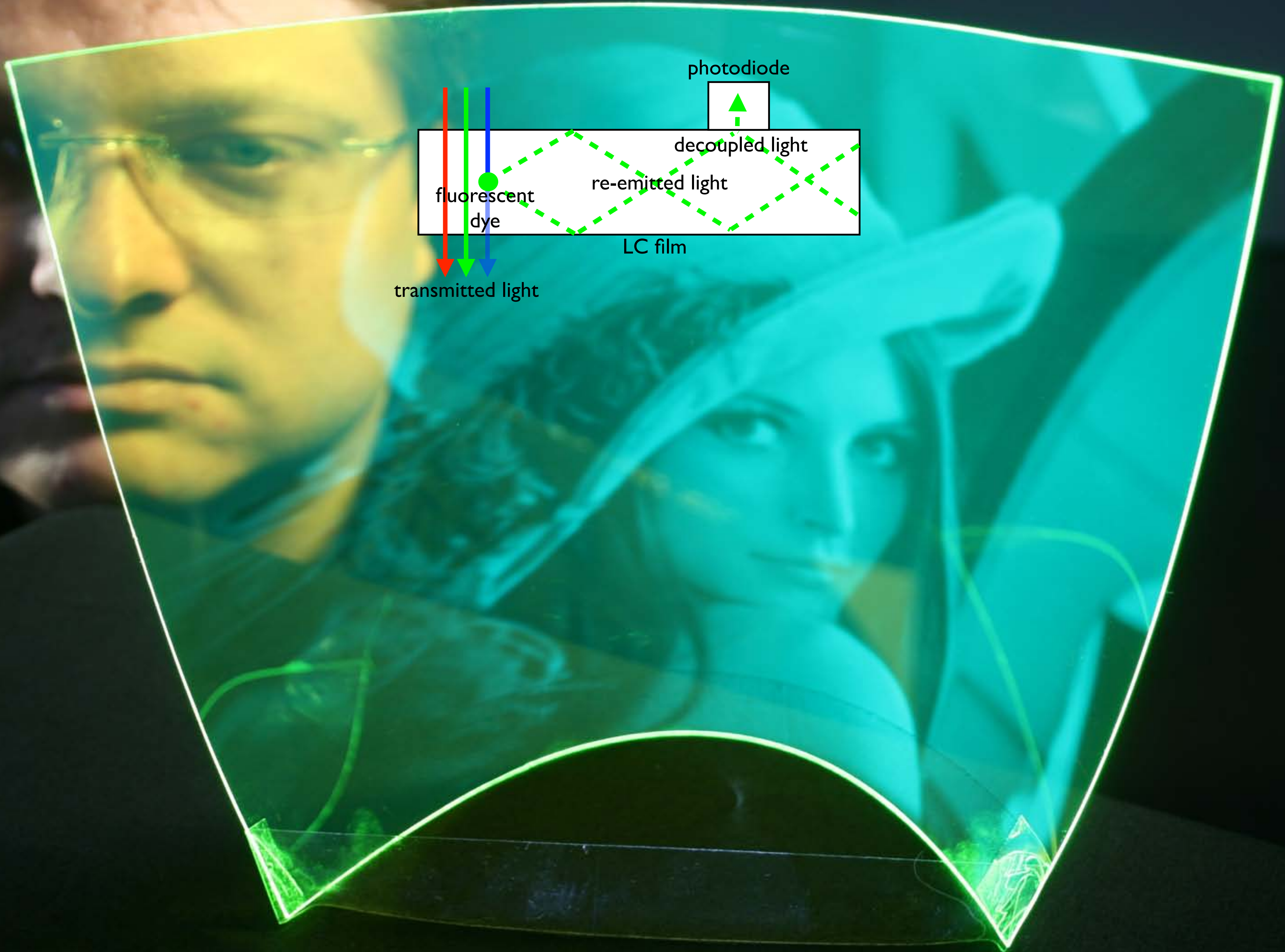


fluorescent
dye

LC film

transmitted light





photodiode

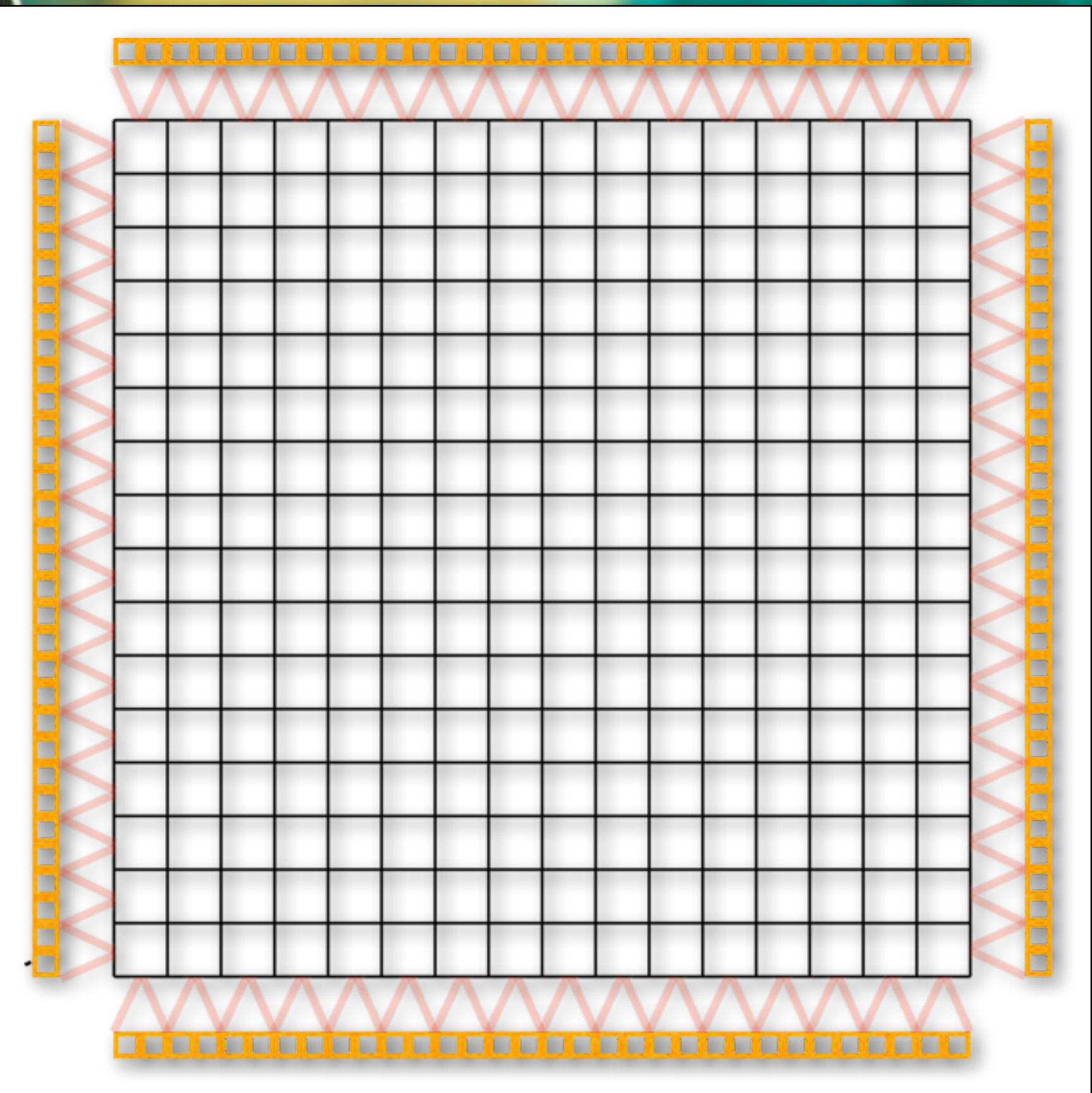
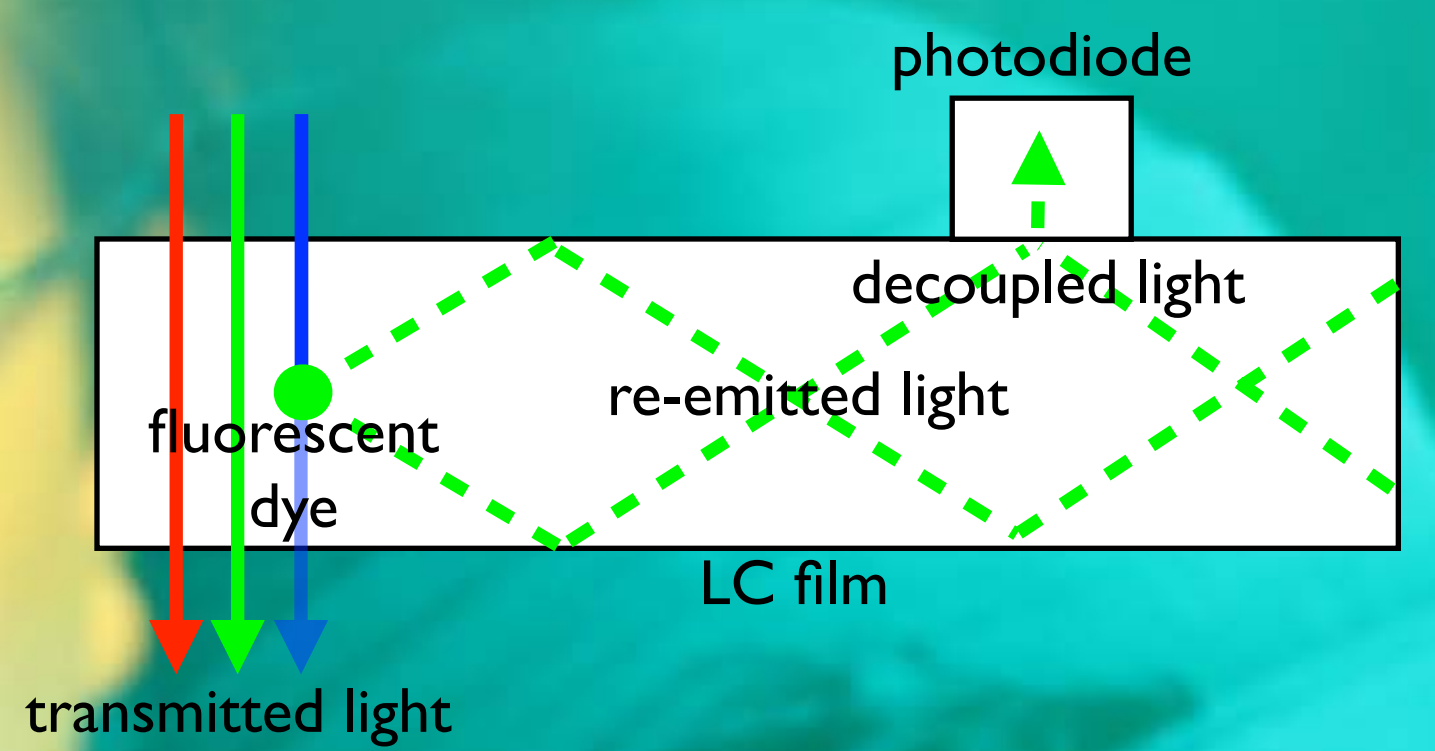
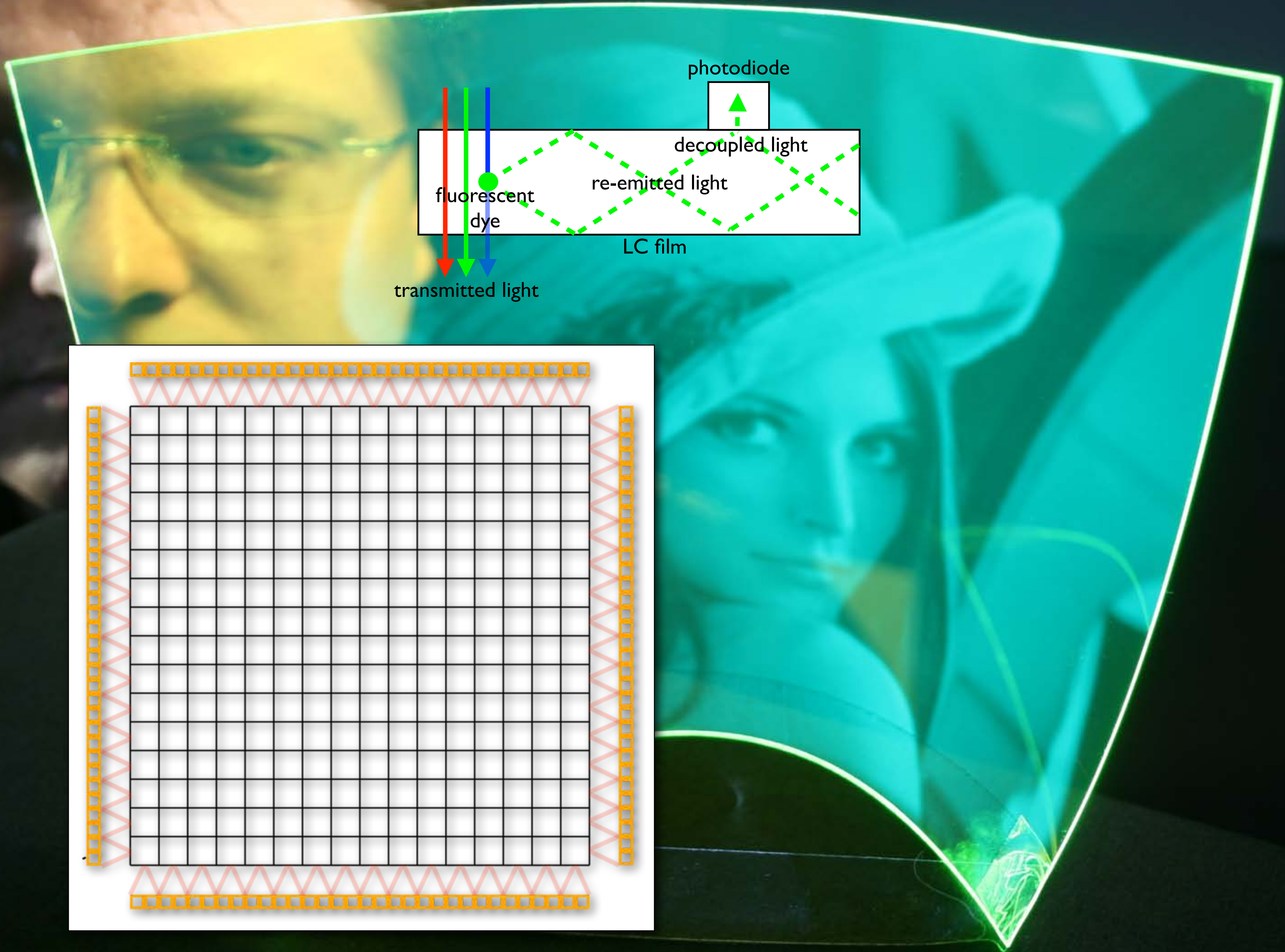
decoupled light

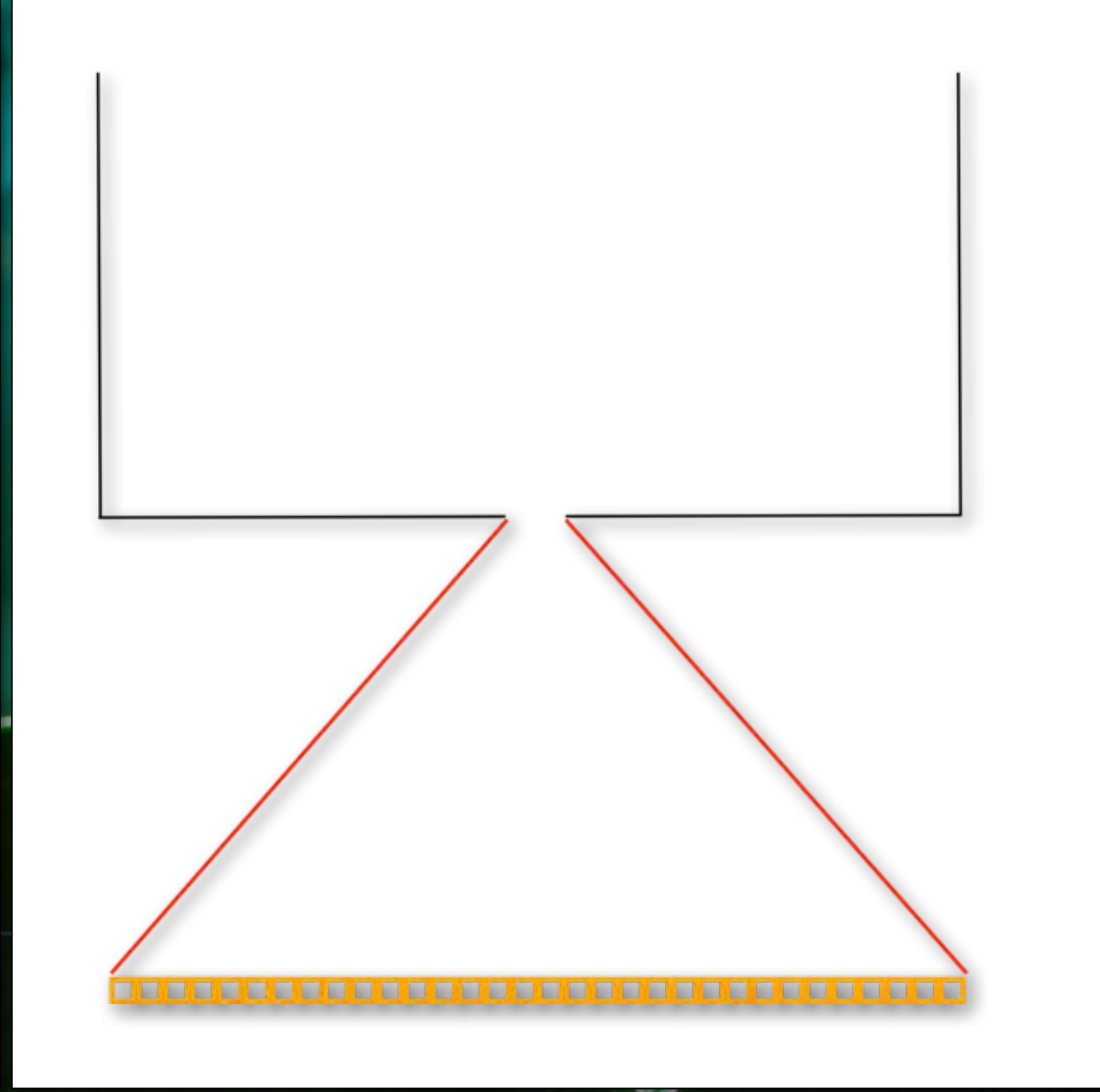
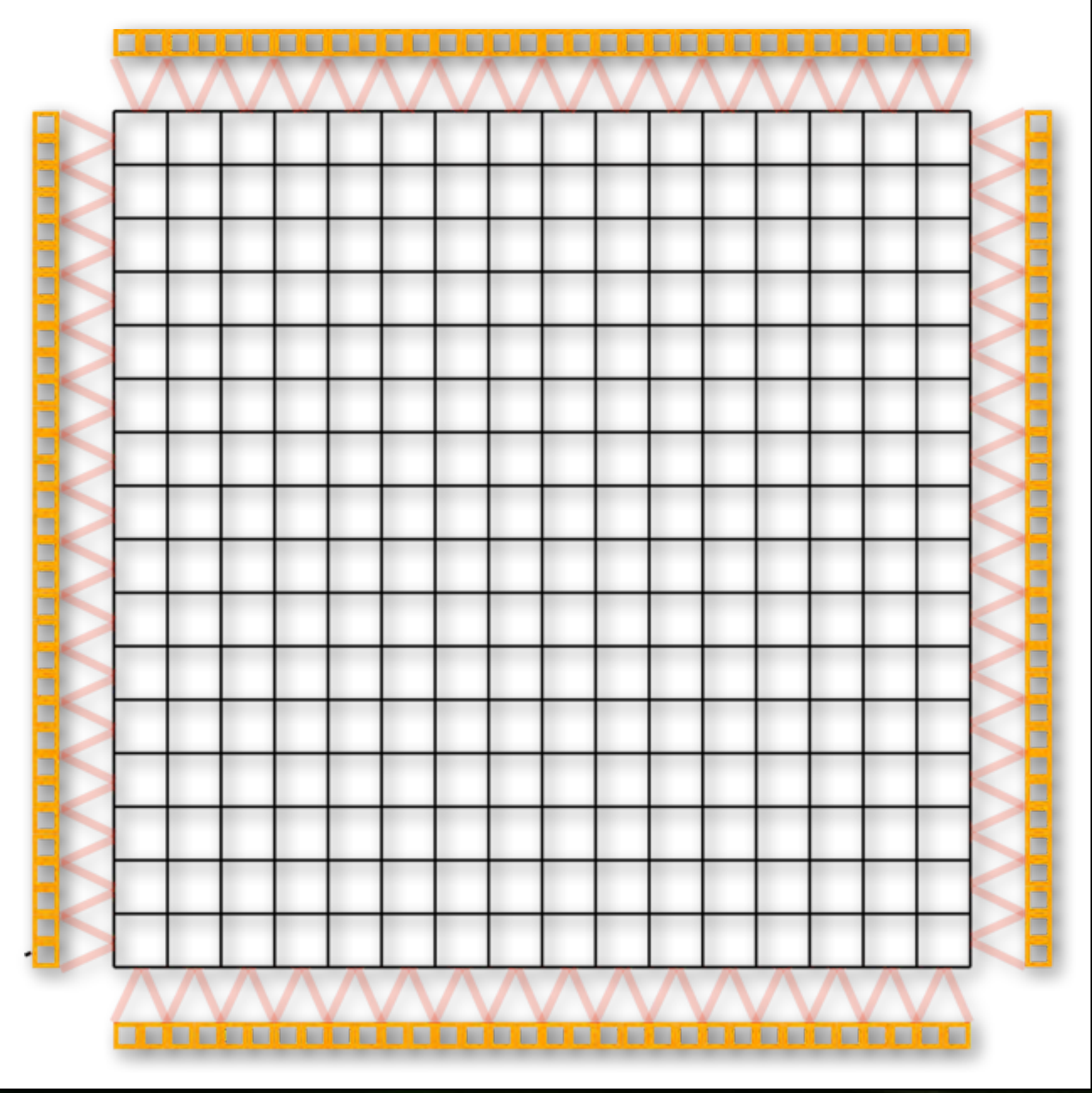
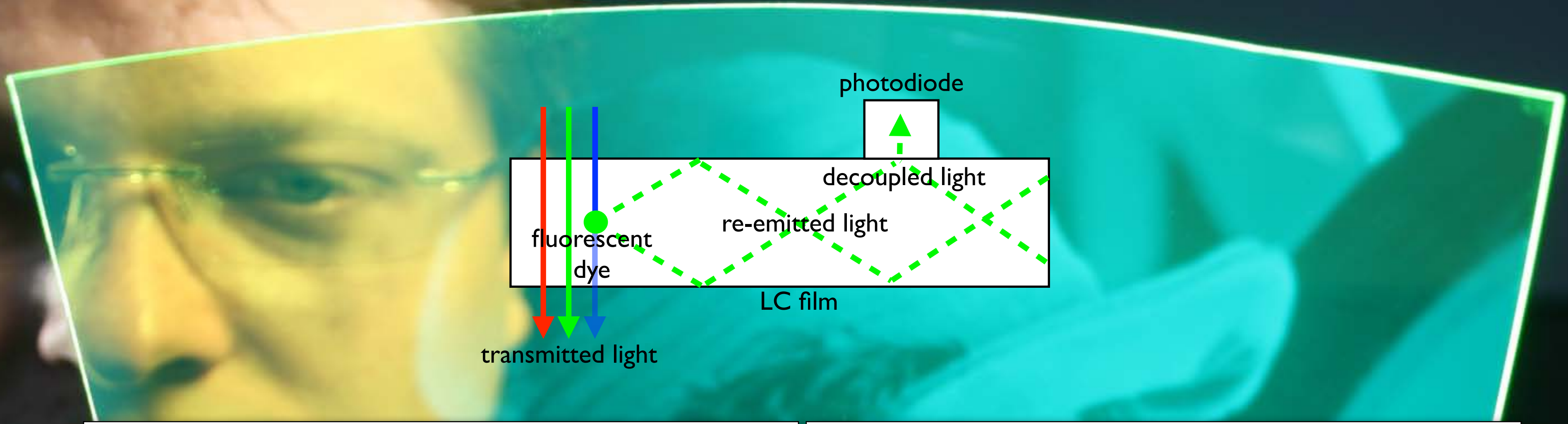
re-emitted light

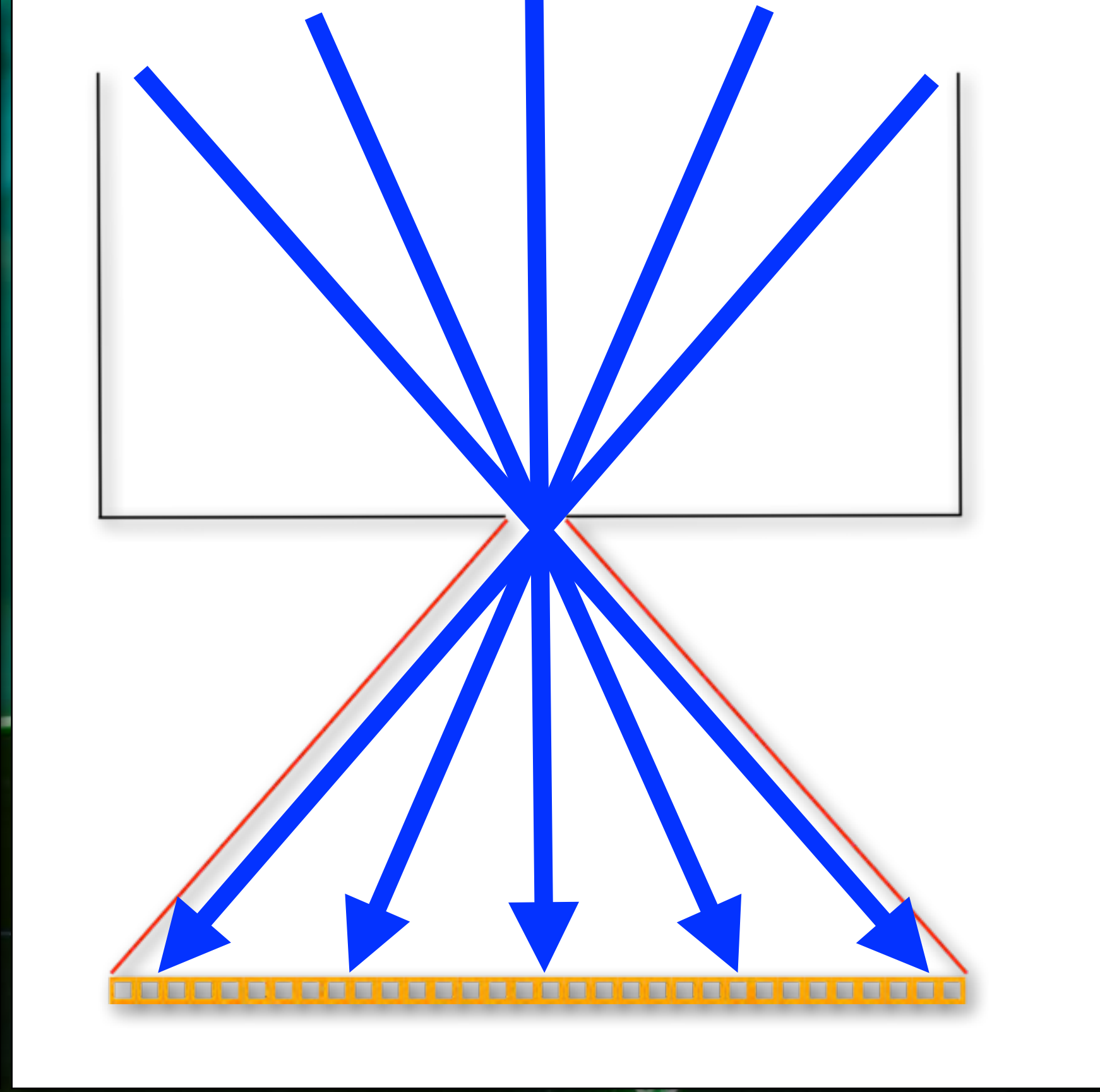
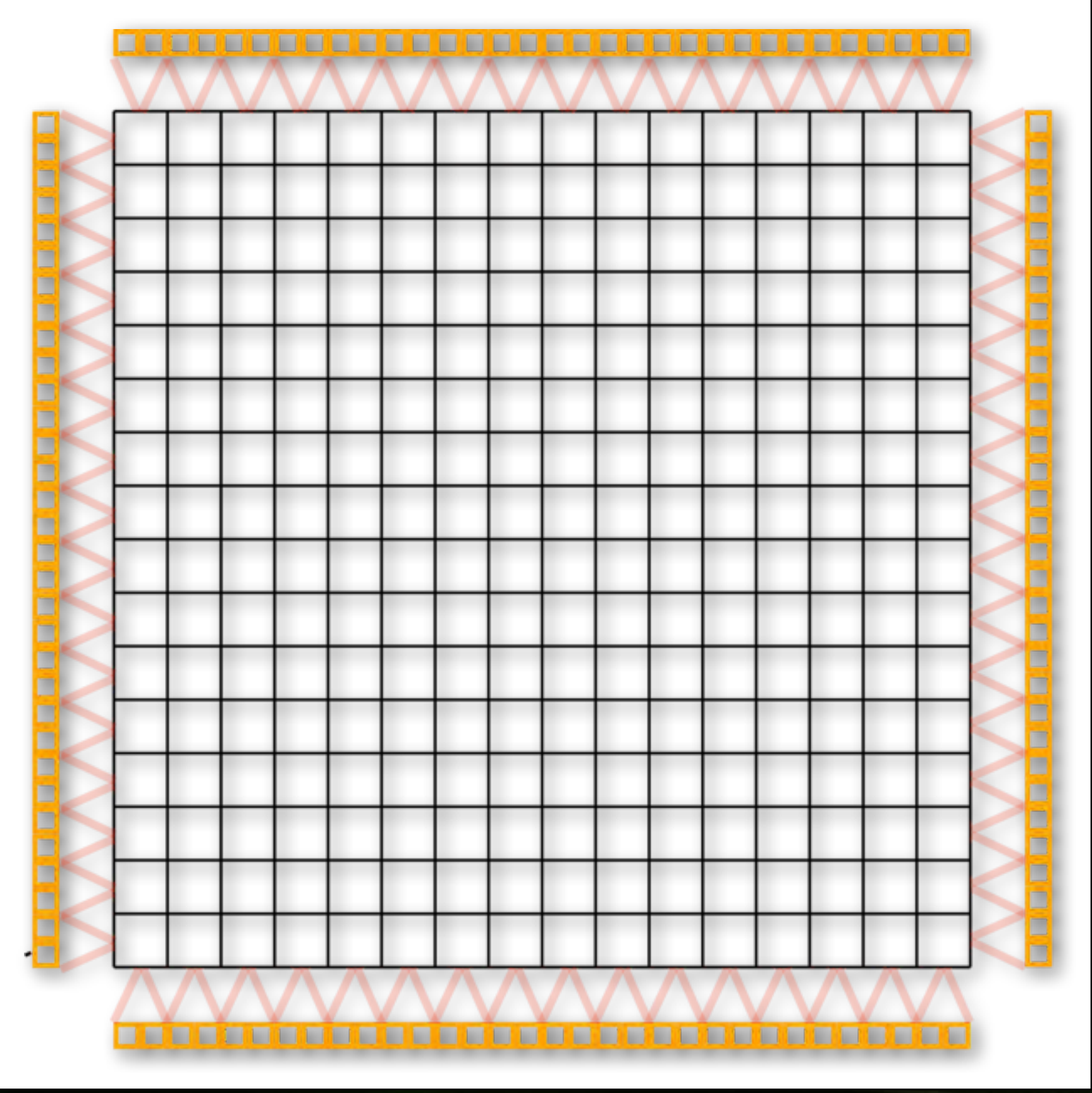
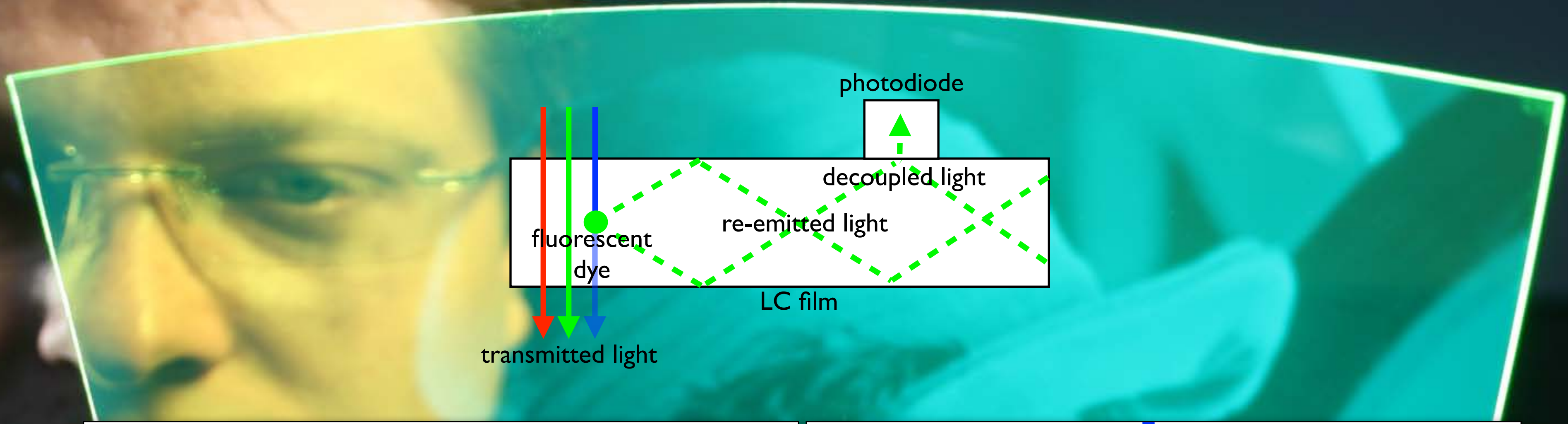
fluorescent
dye

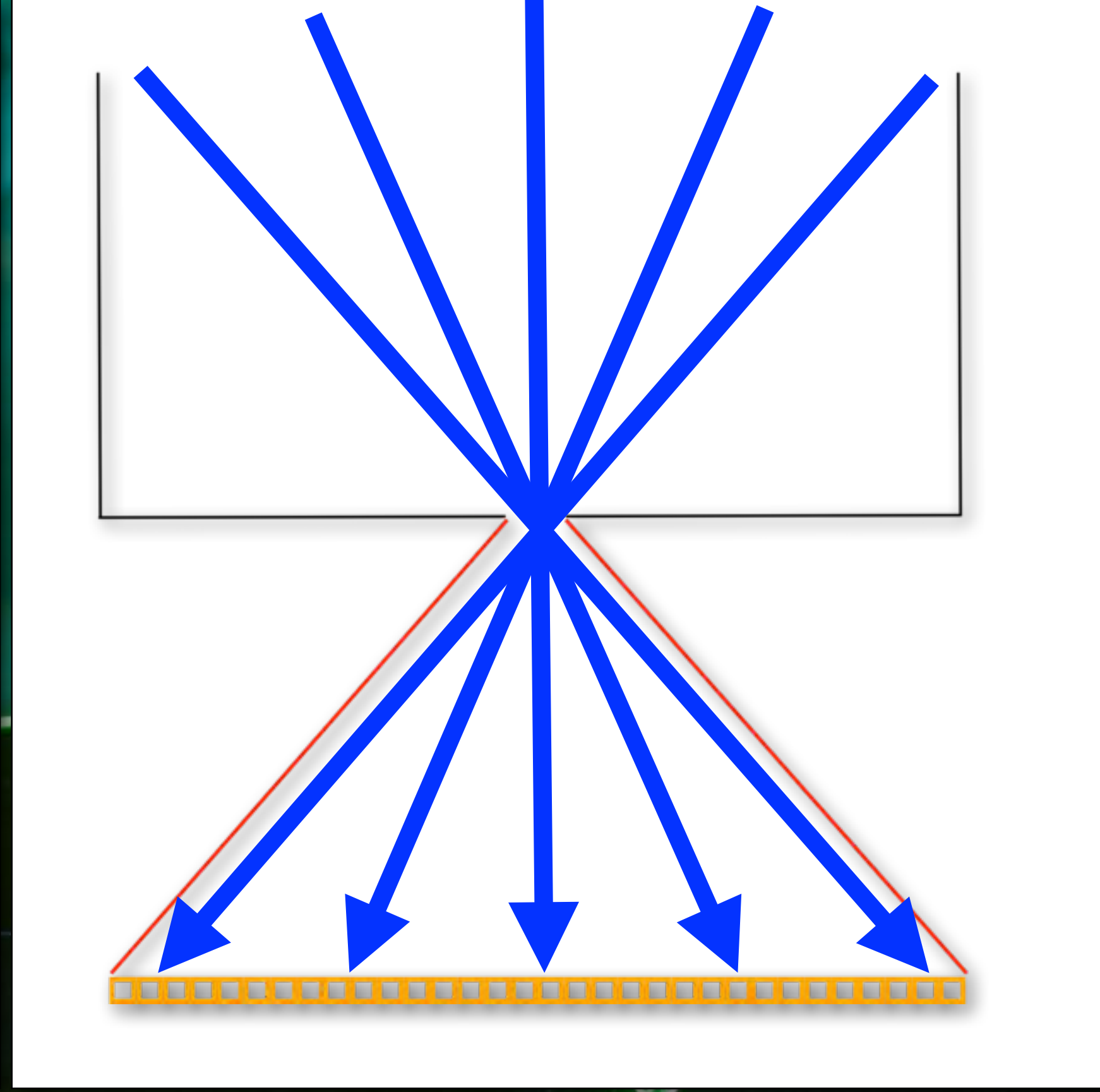
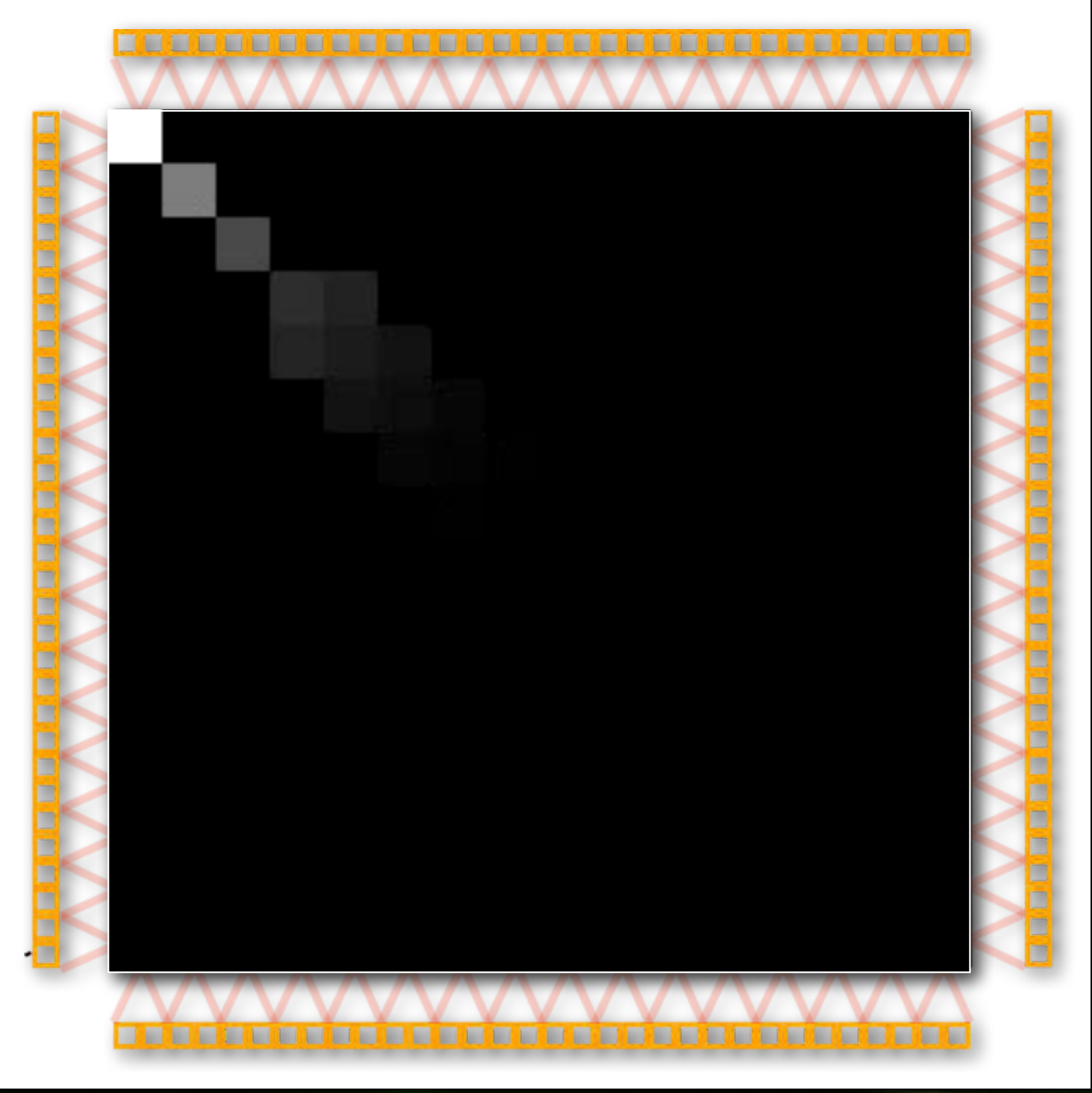
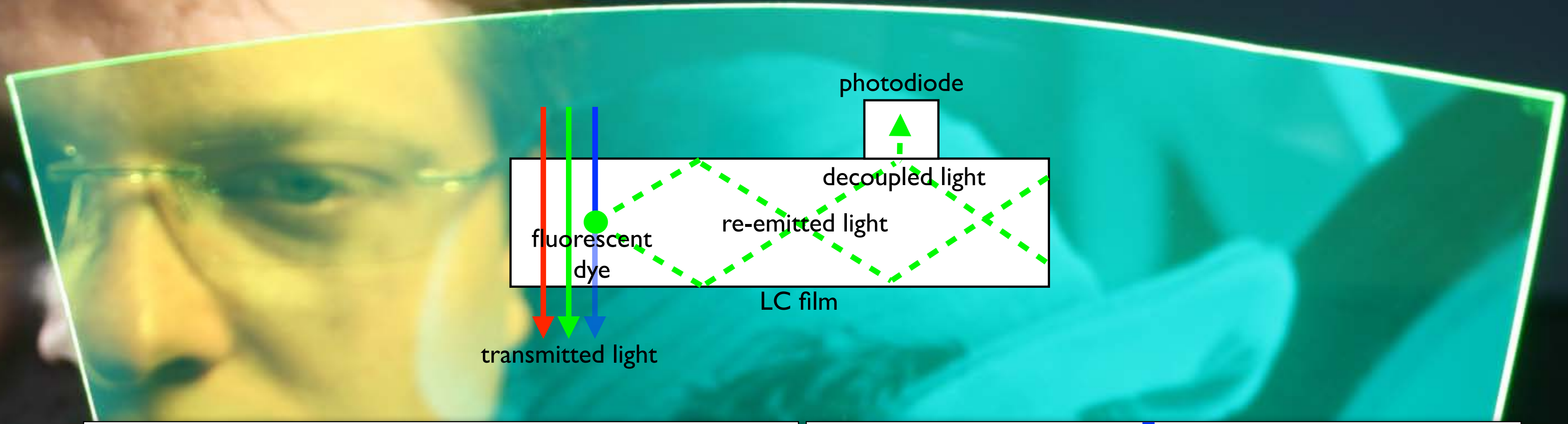
LC film

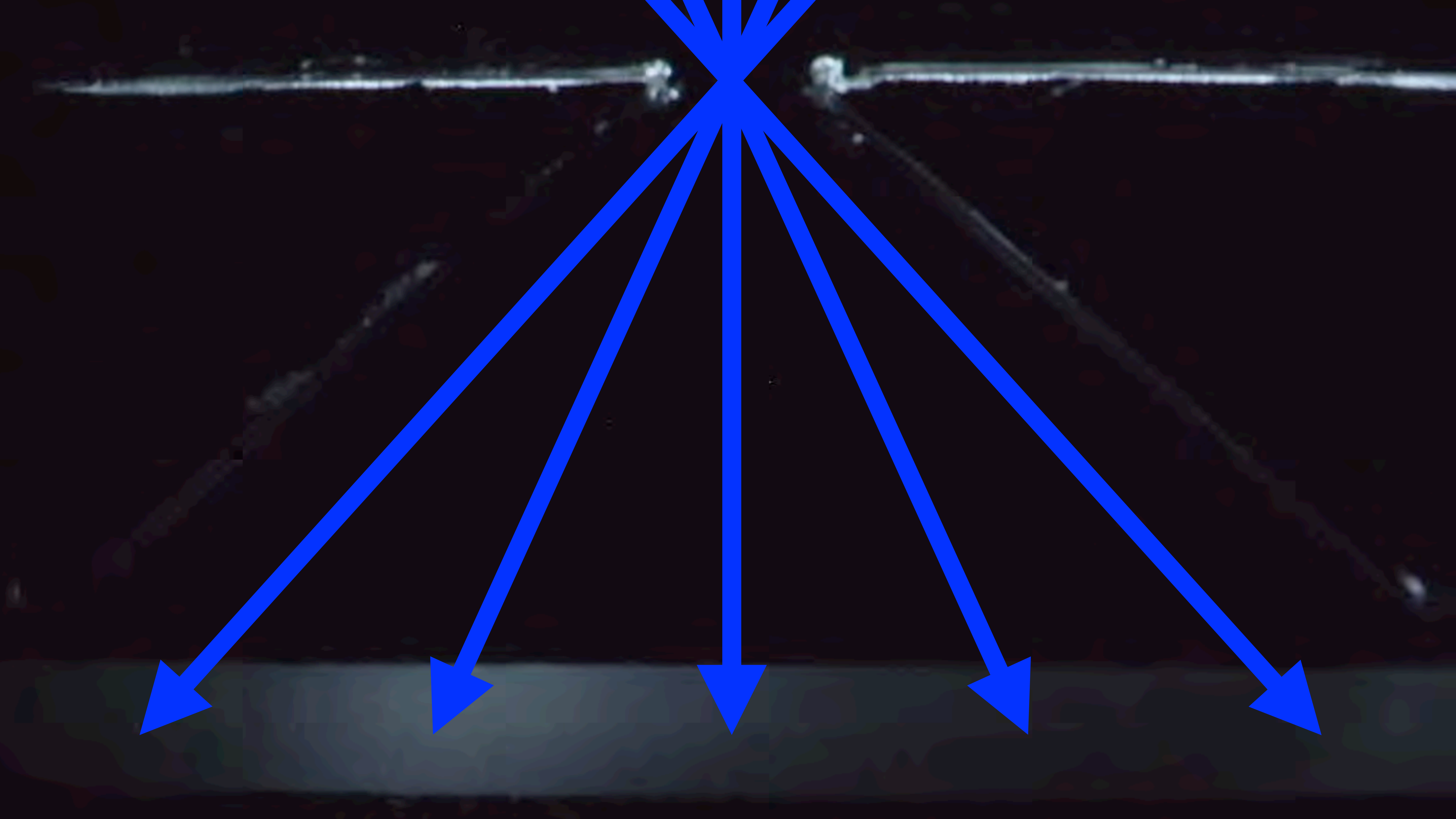
transmitted light



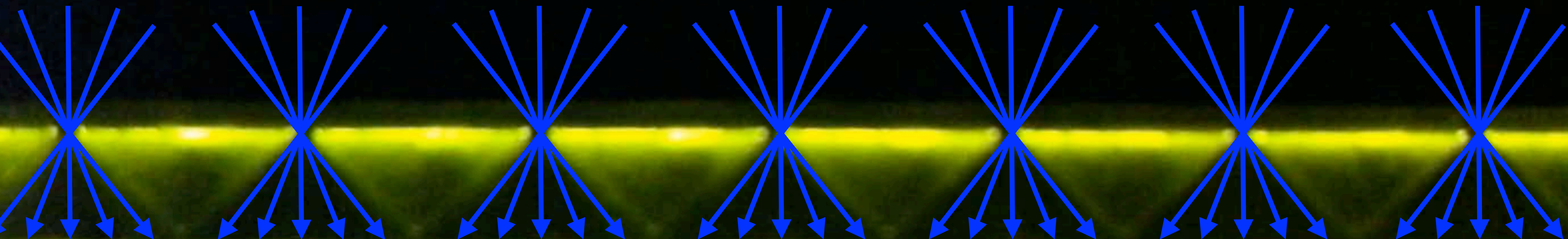




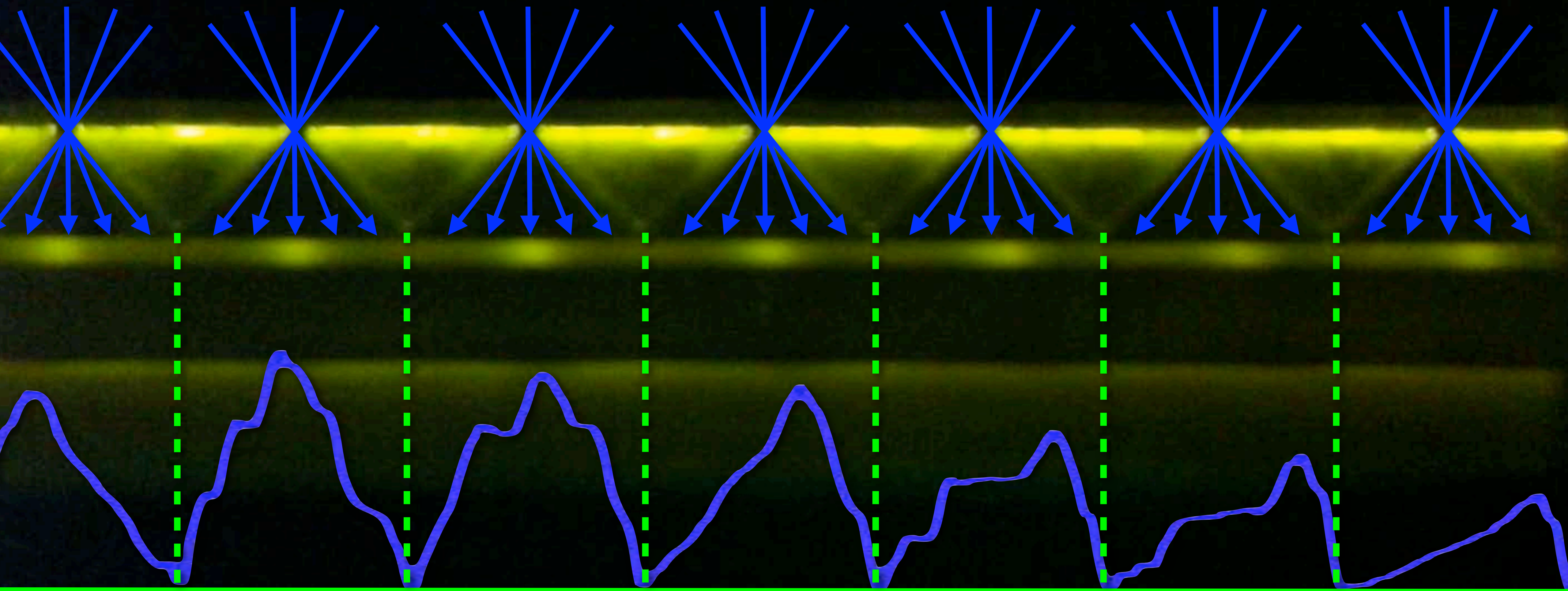




2D light field: $L(x, \phi)$



2D light field: $L(x, \phi)$

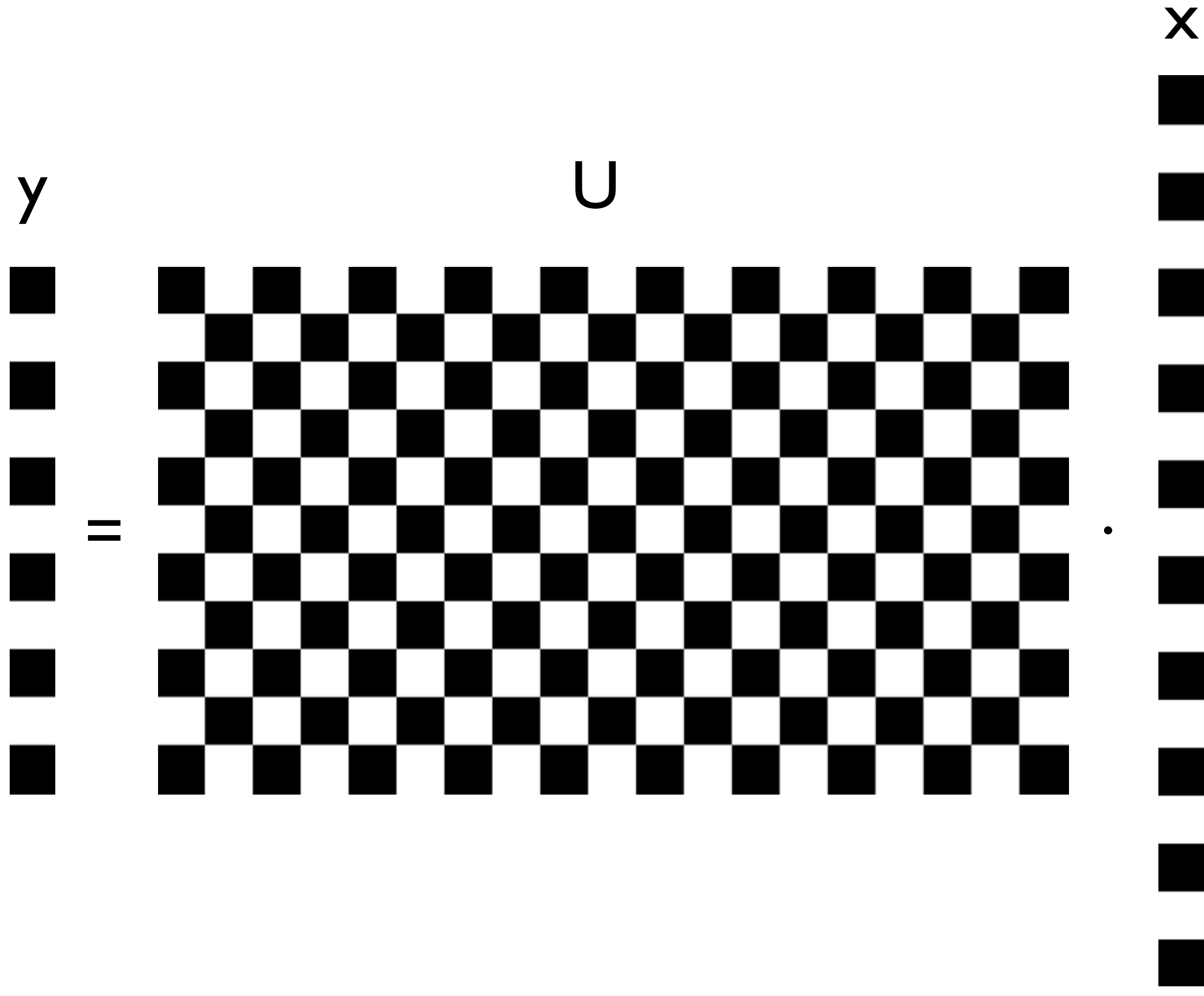


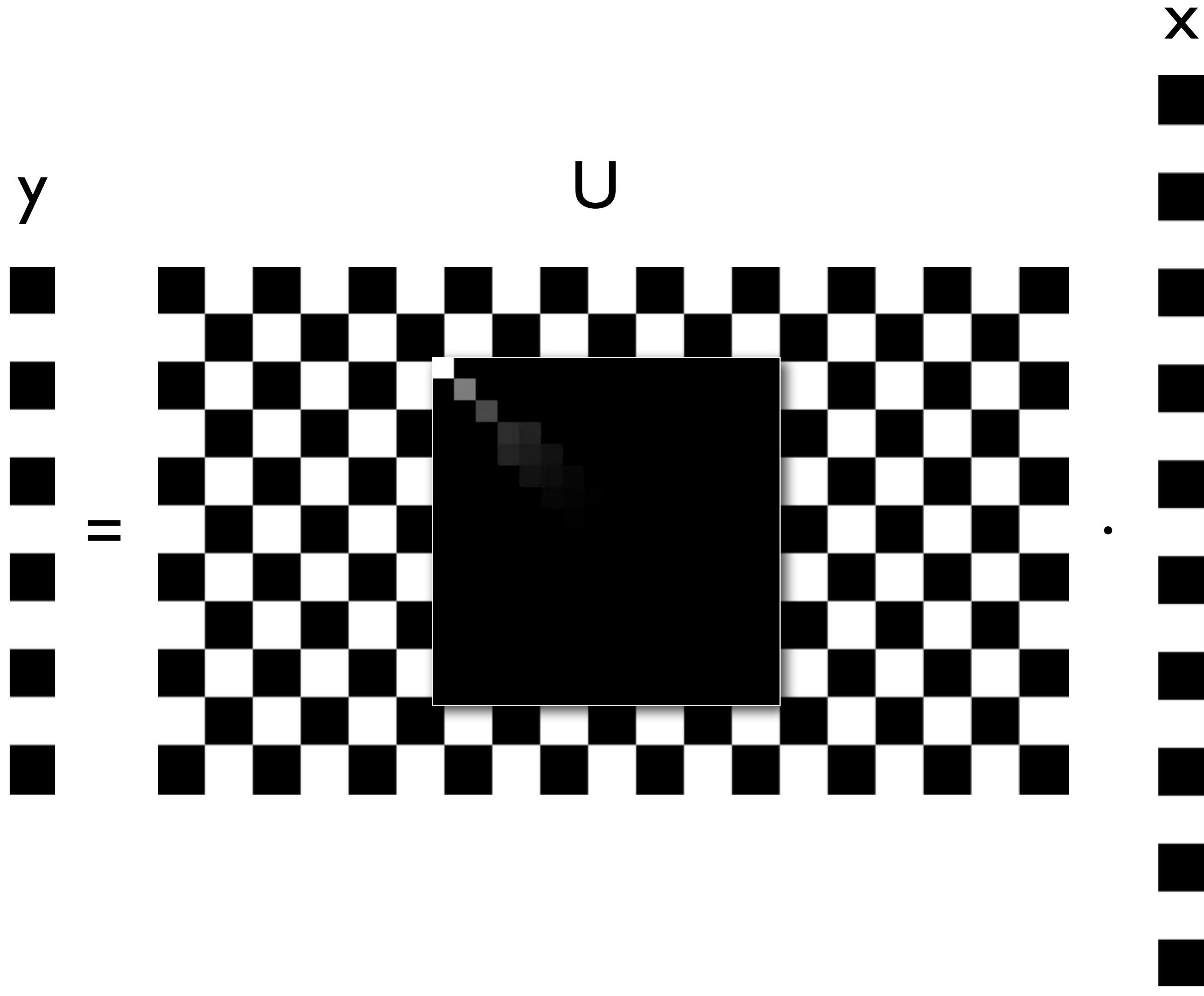
$$y_1 = u_{11} * x_1 + u_{12} * x_2 + u_{13} * x_3$$

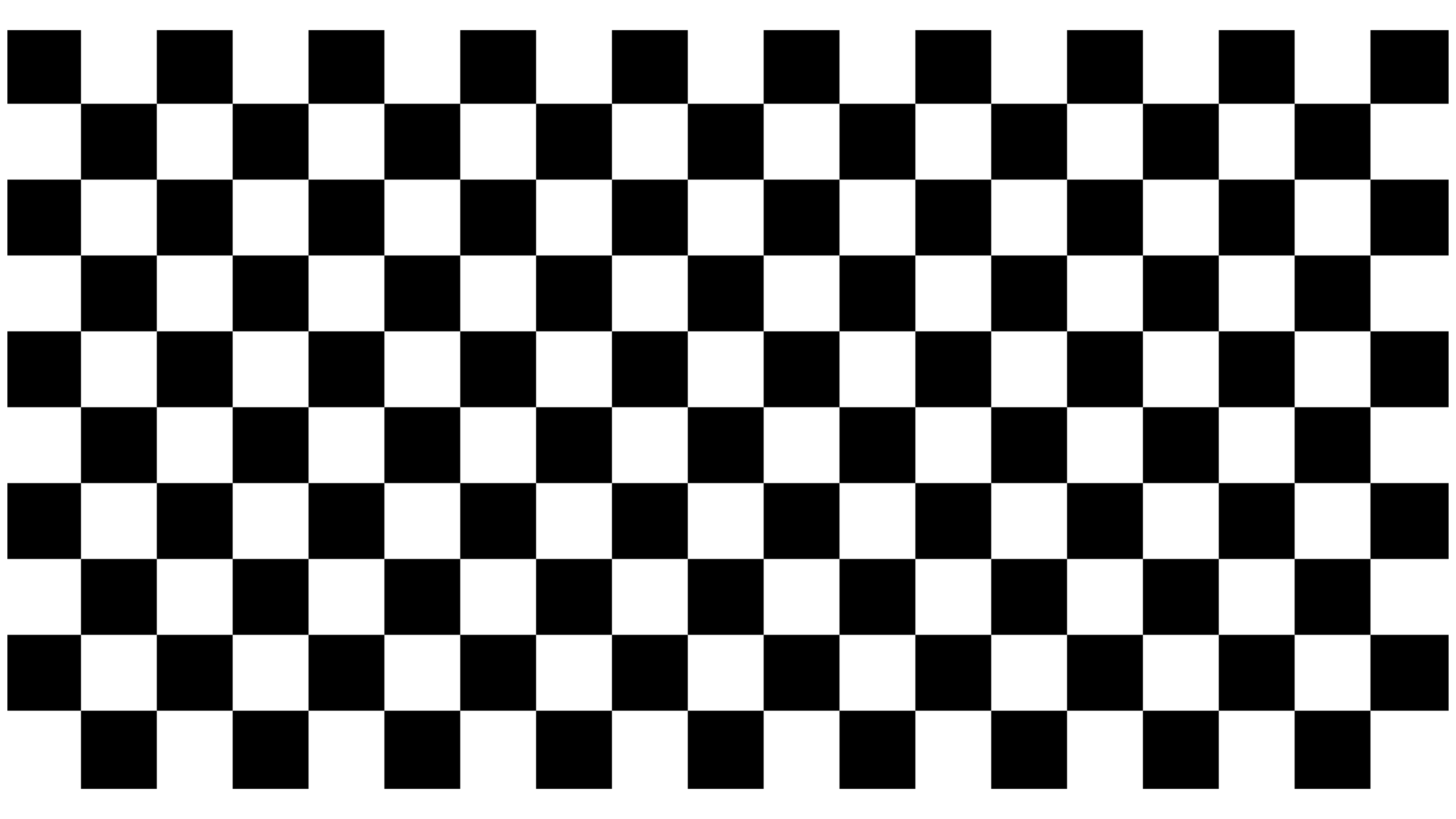
$$y_2 = u_{21} * x_1 + u_{22} * x_2 + u_{23} * x_3$$

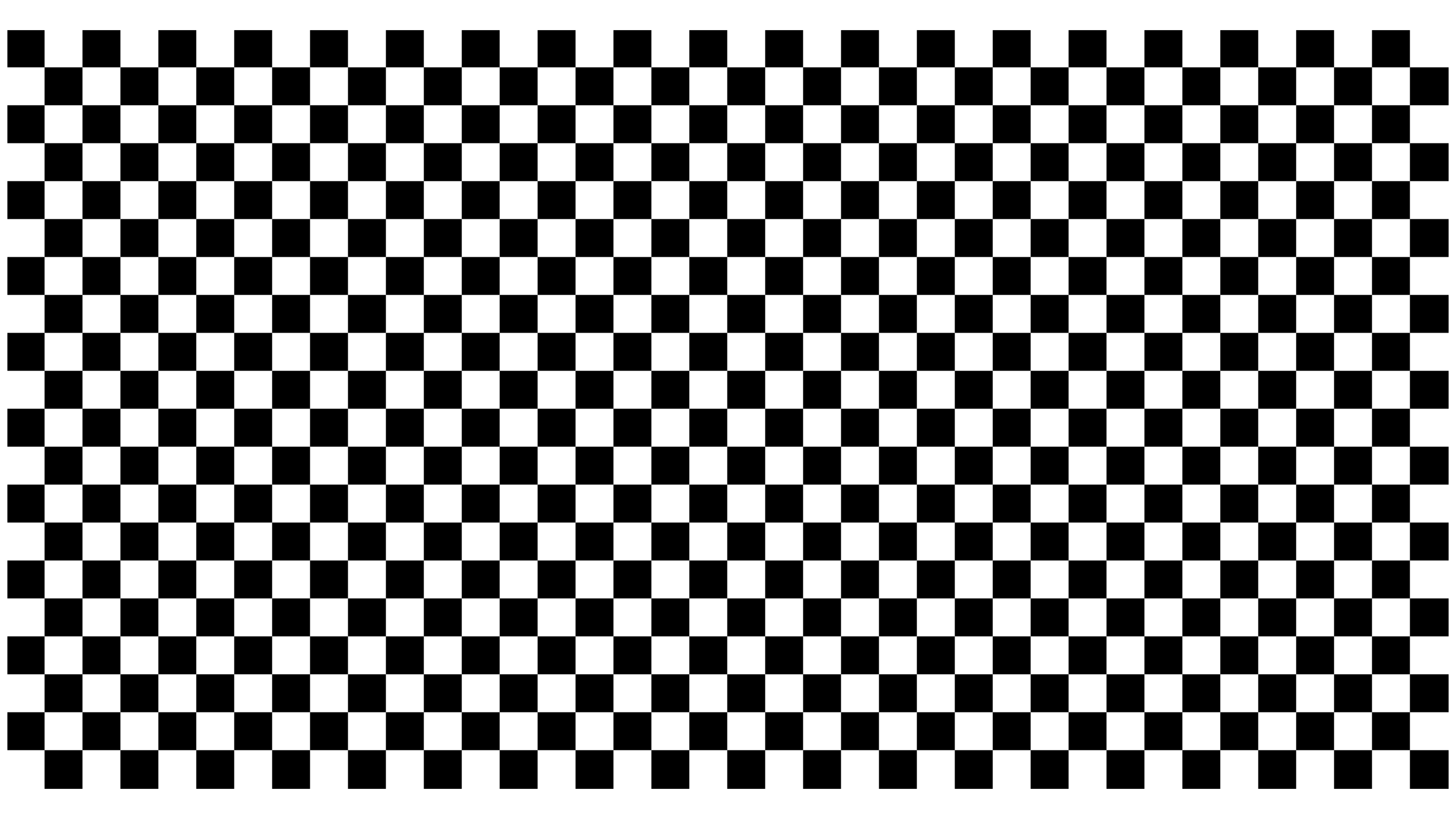
$$y_3 = u_{31} * x_1 + u_{32} * x_2 + u_{33} * x_3$$

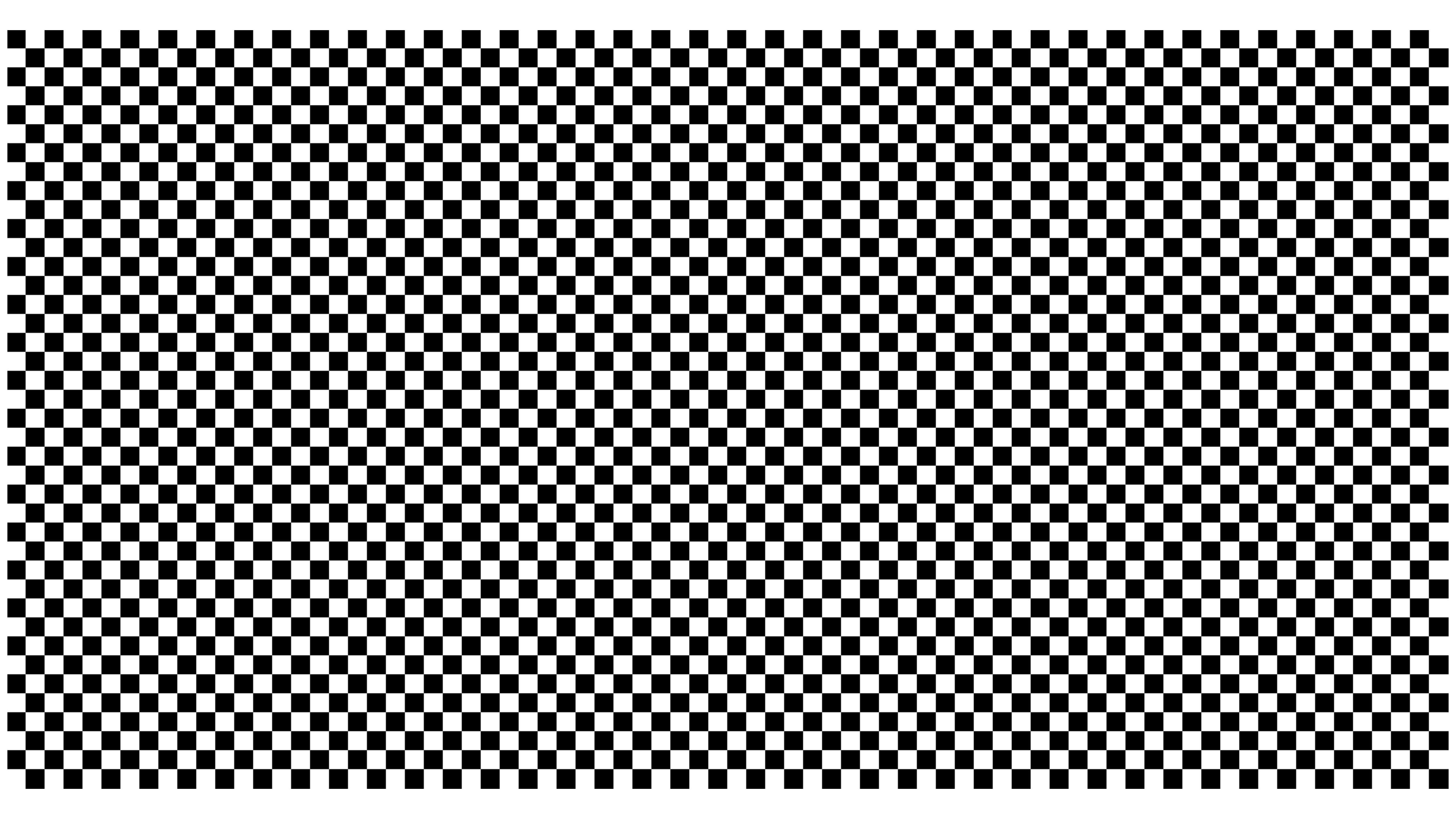
$$y = Ux$$



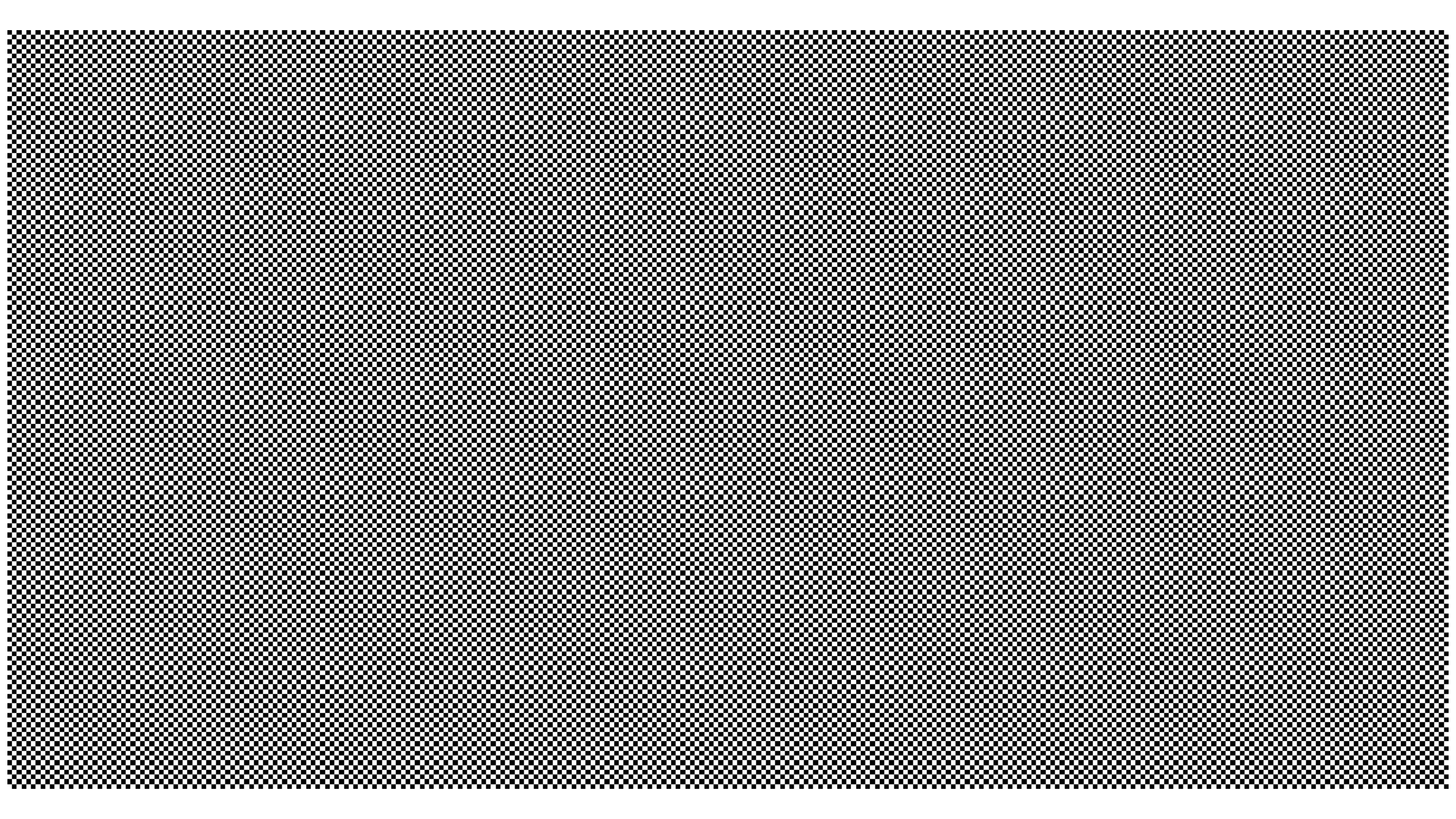


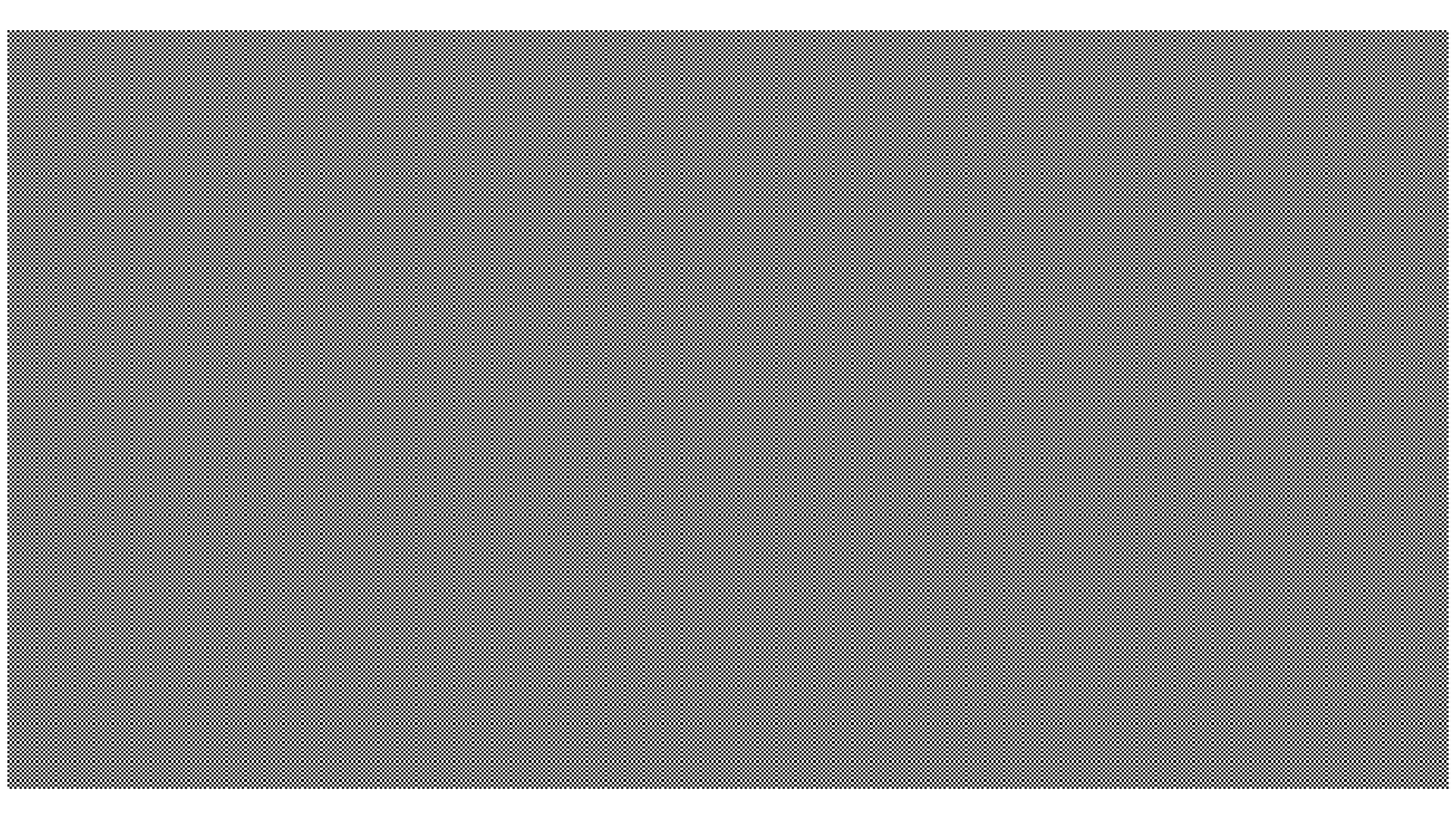












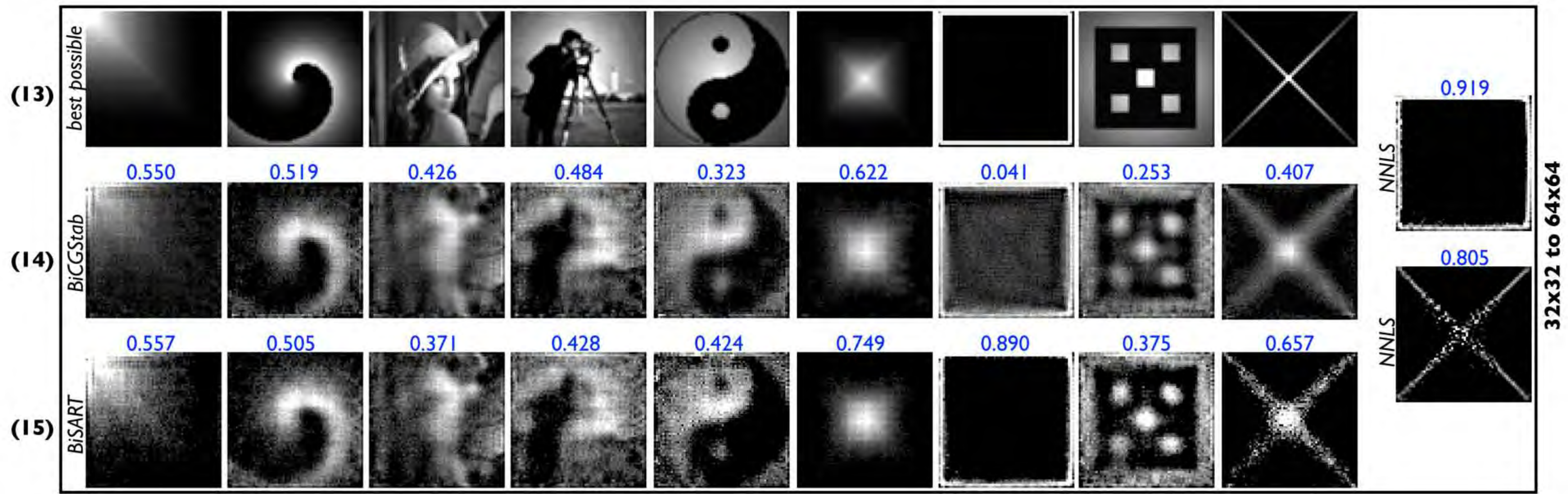
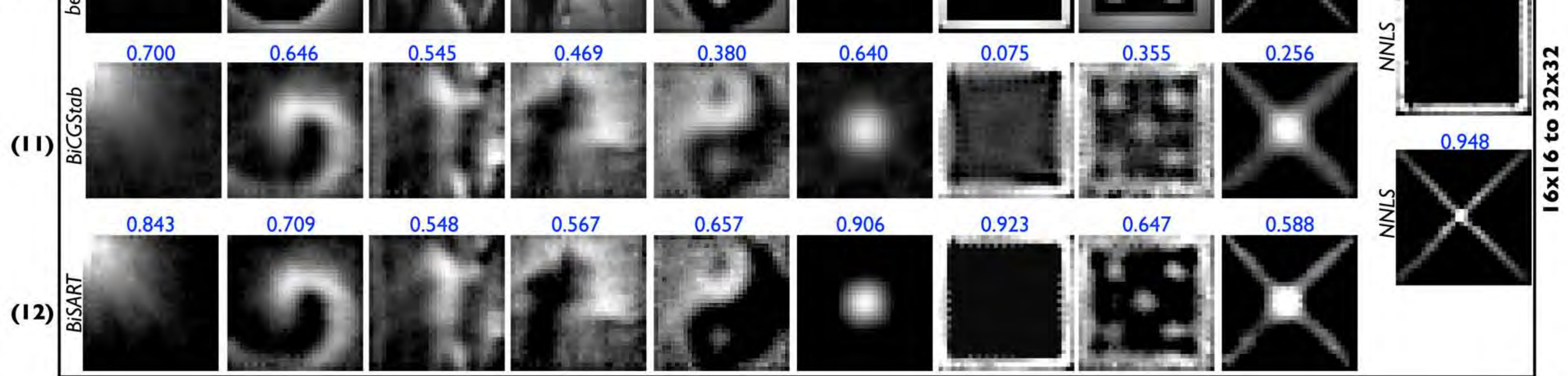


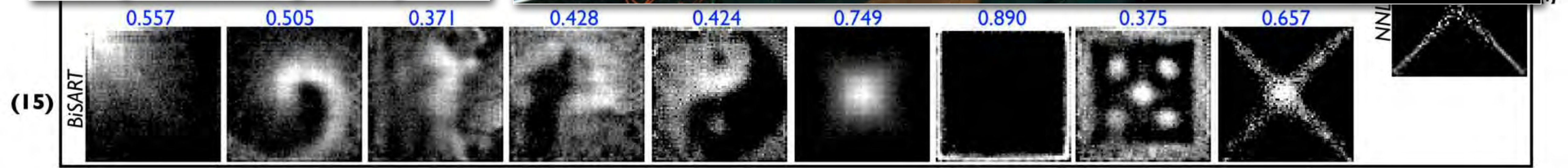
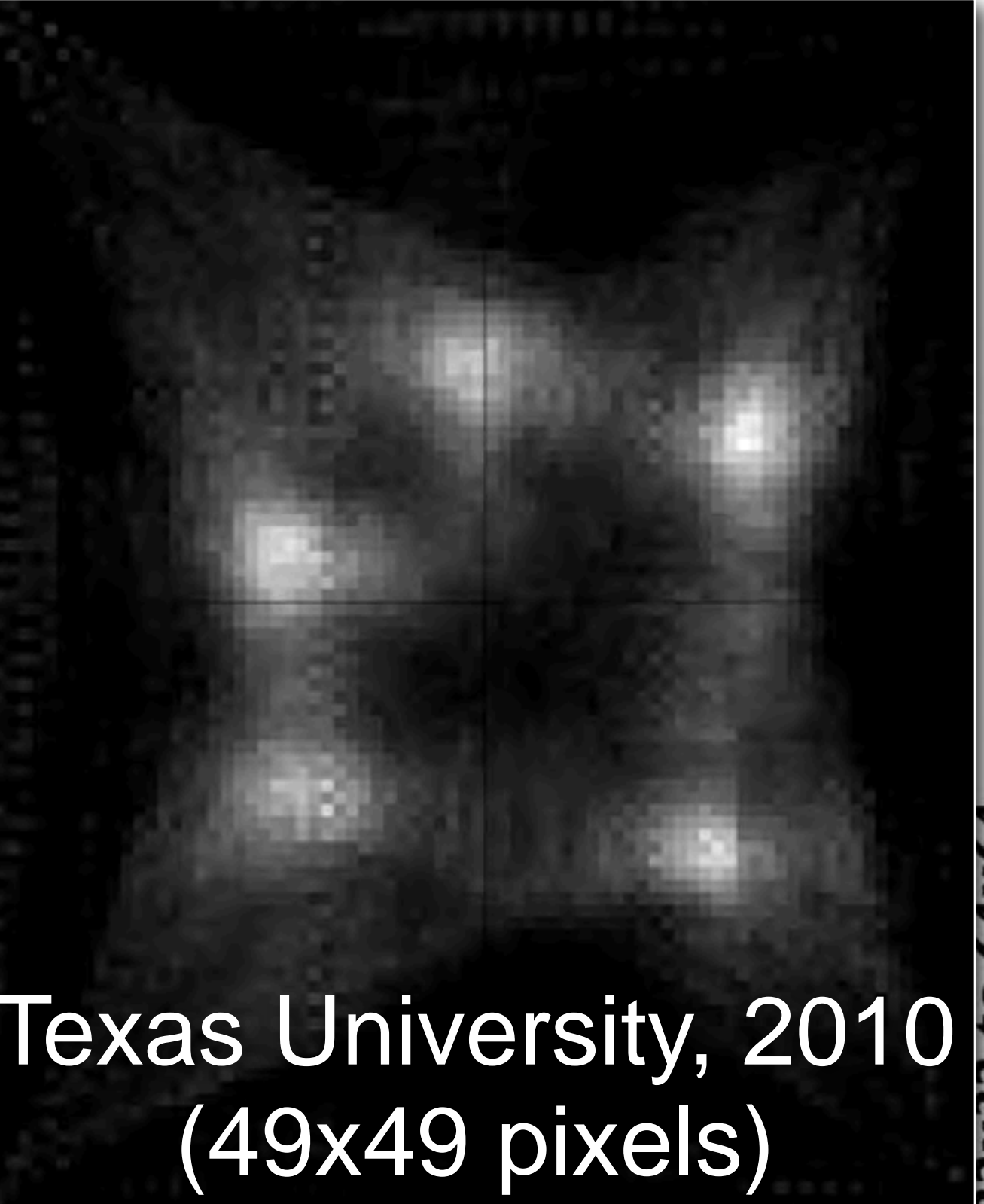
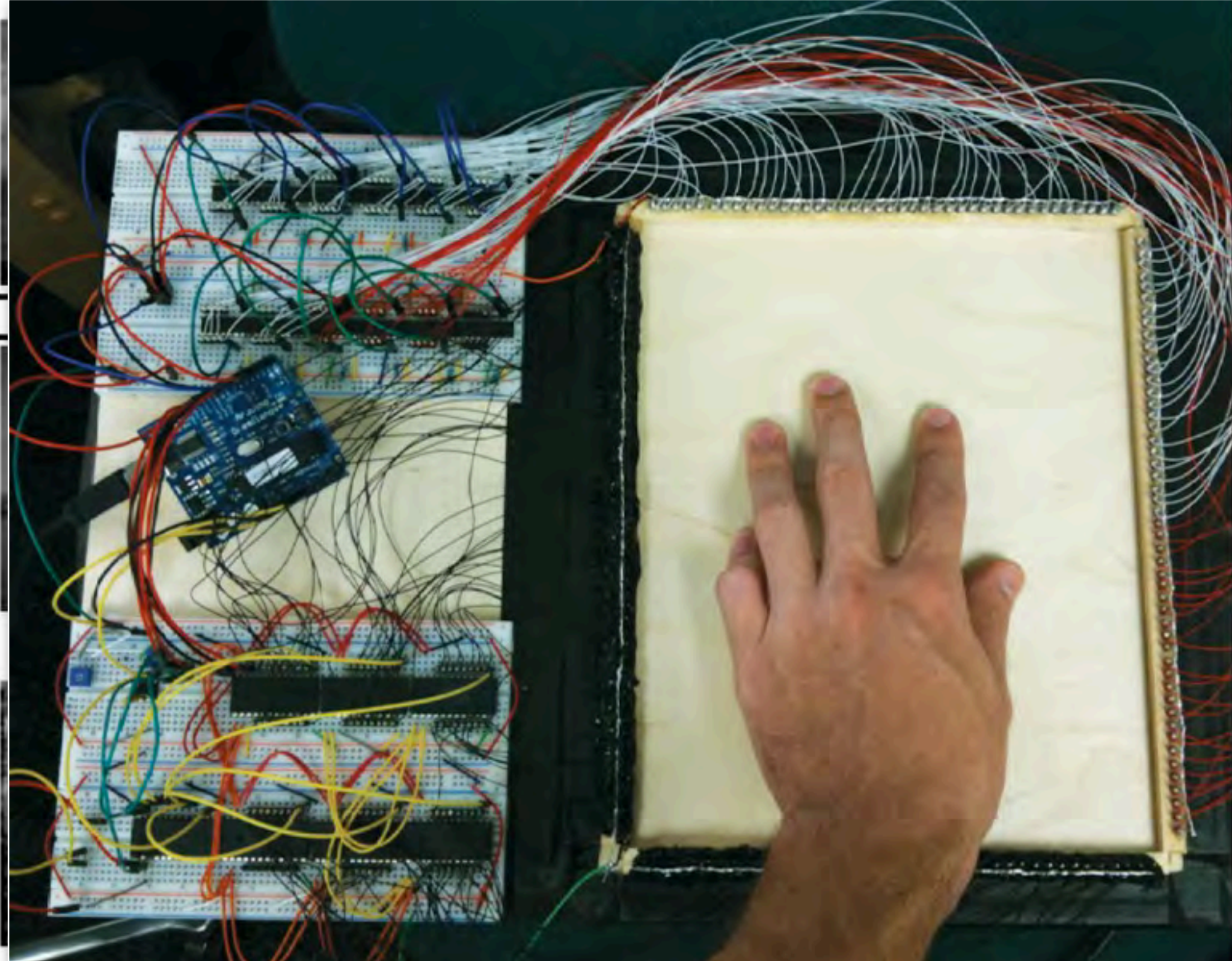
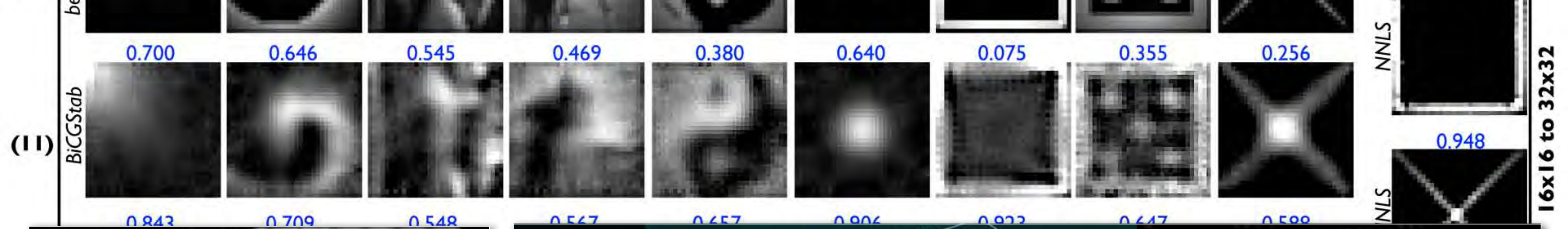


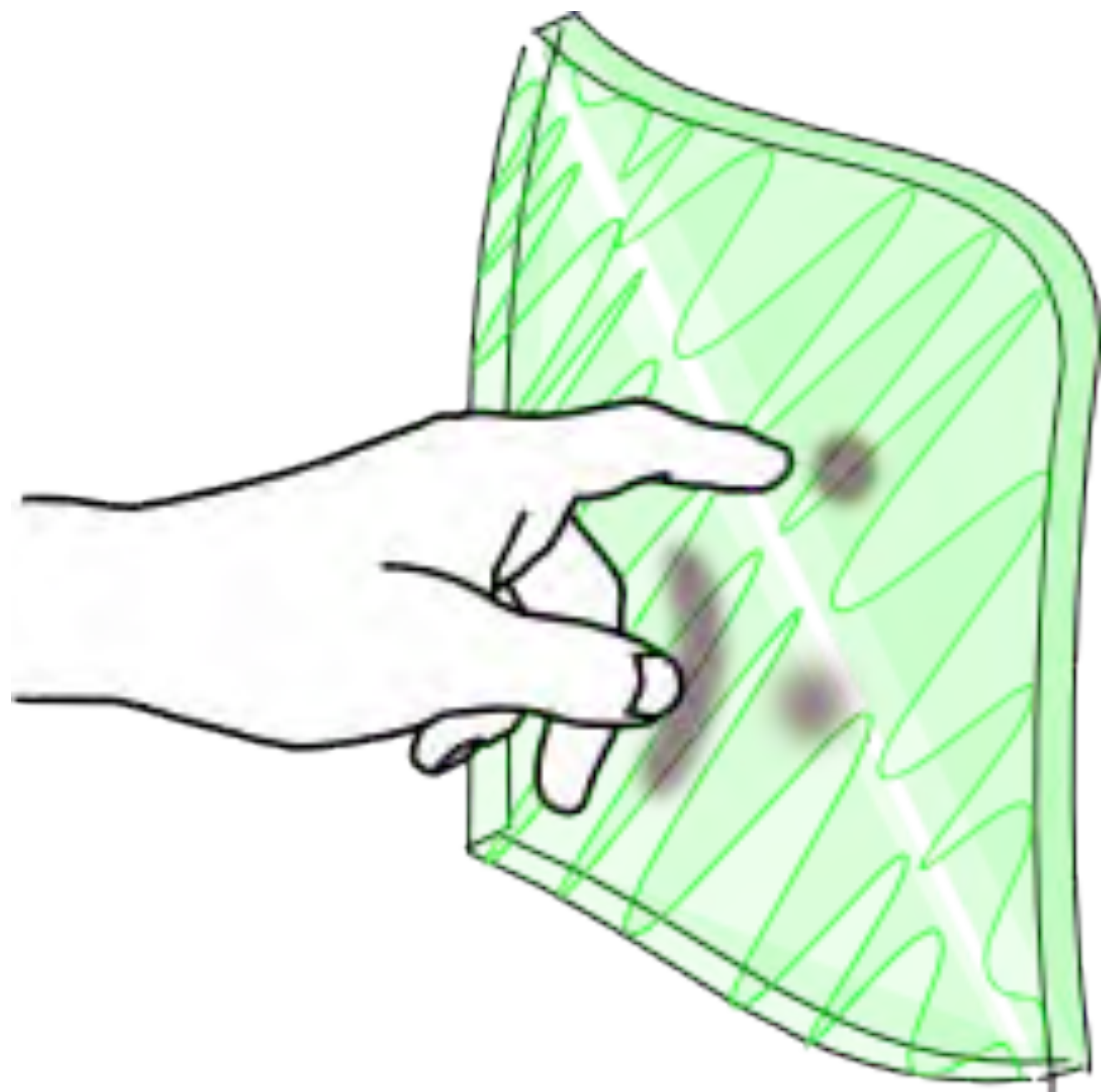
28 Millionen Einträge

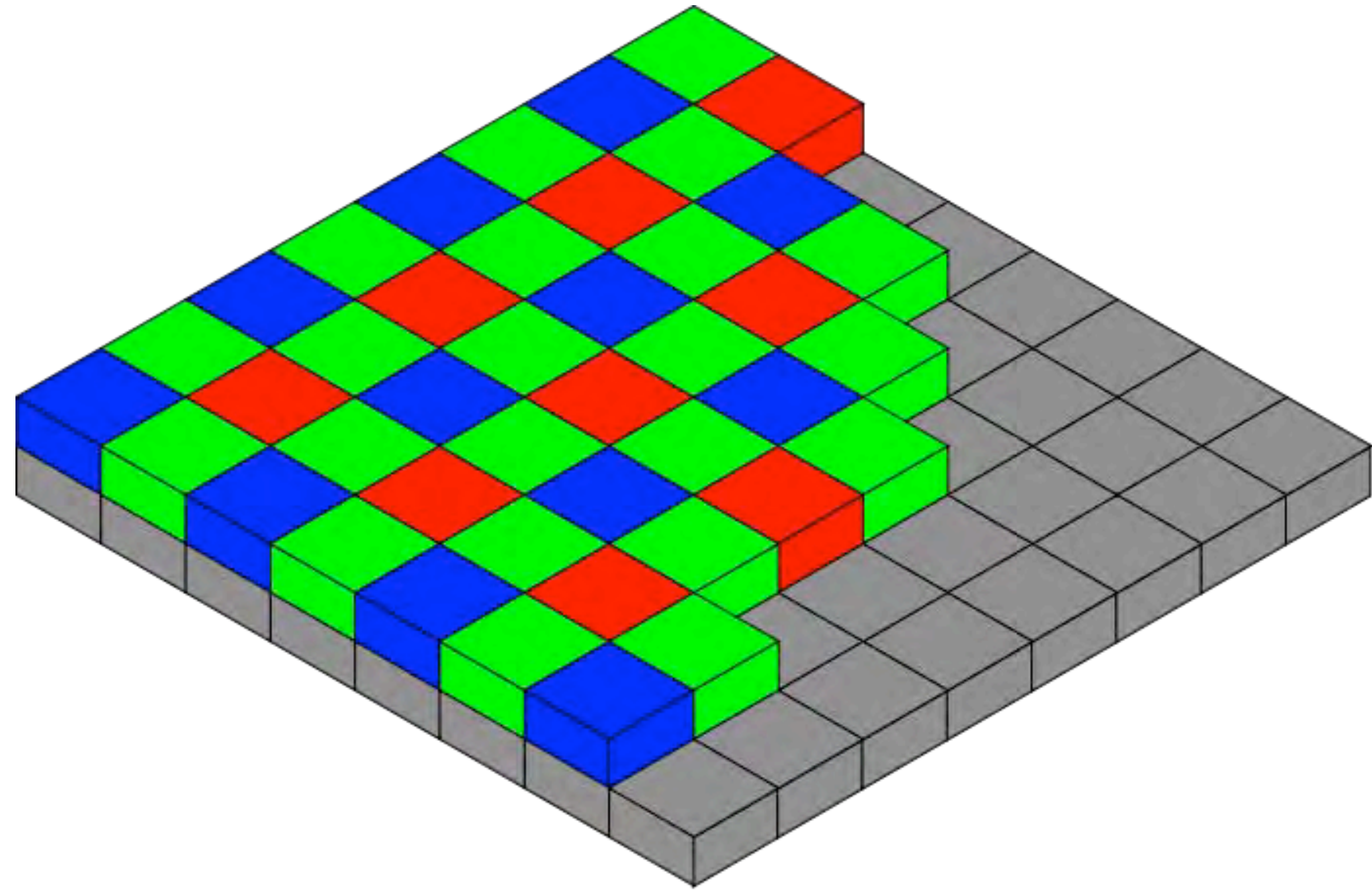
28 Millionen Einträge

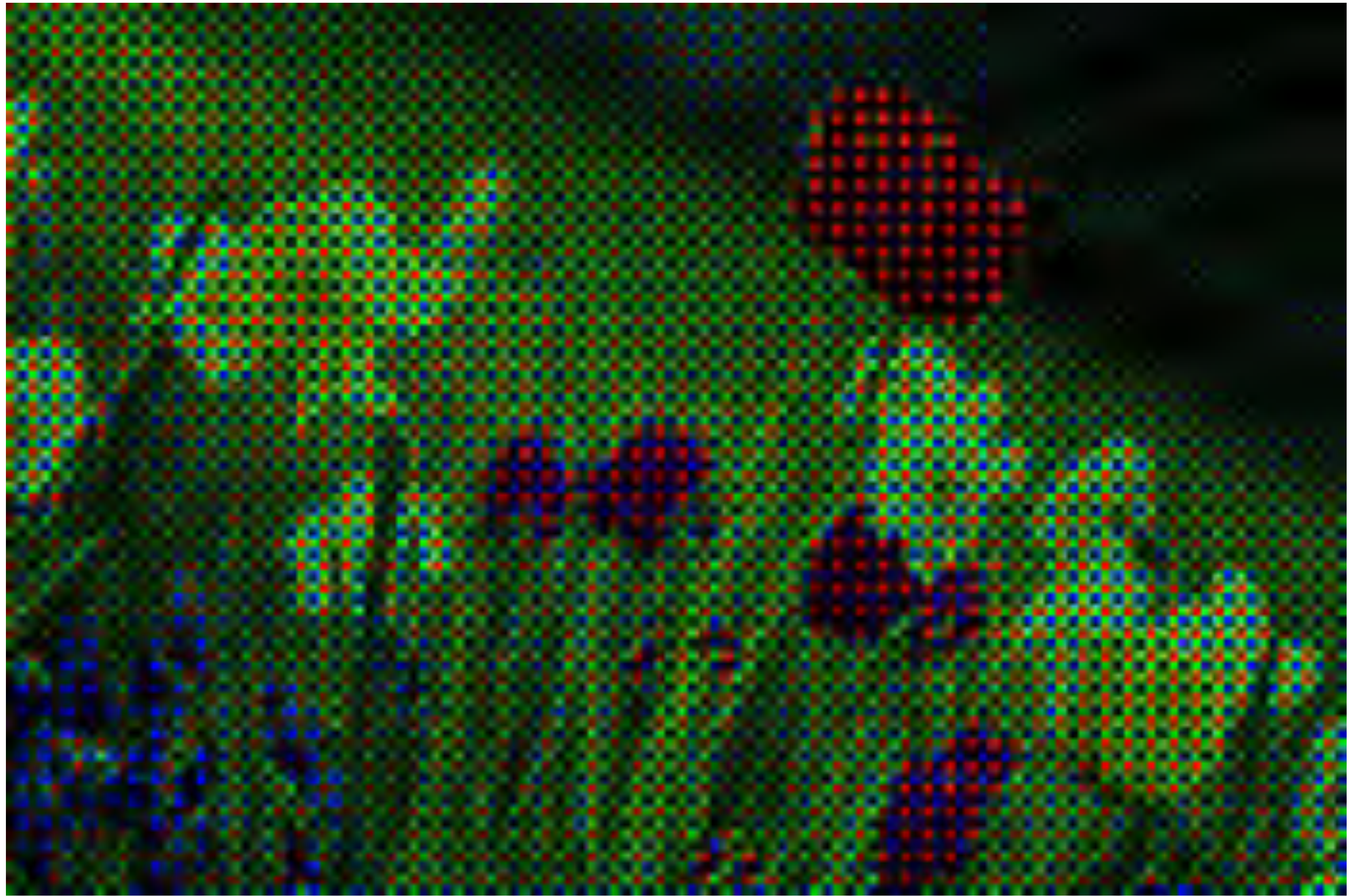
0,15 sec











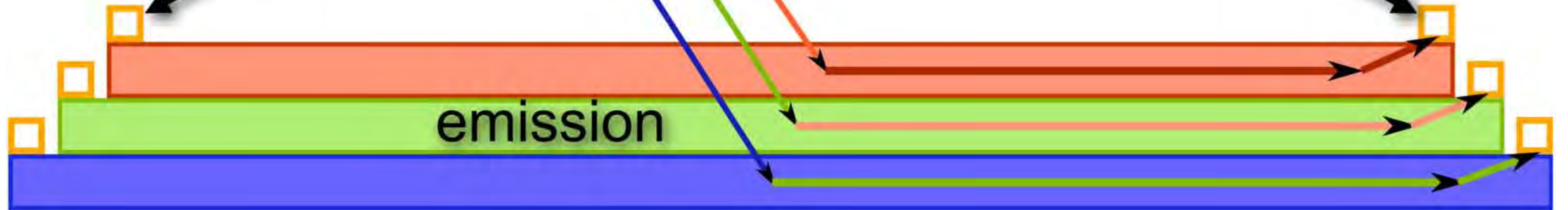


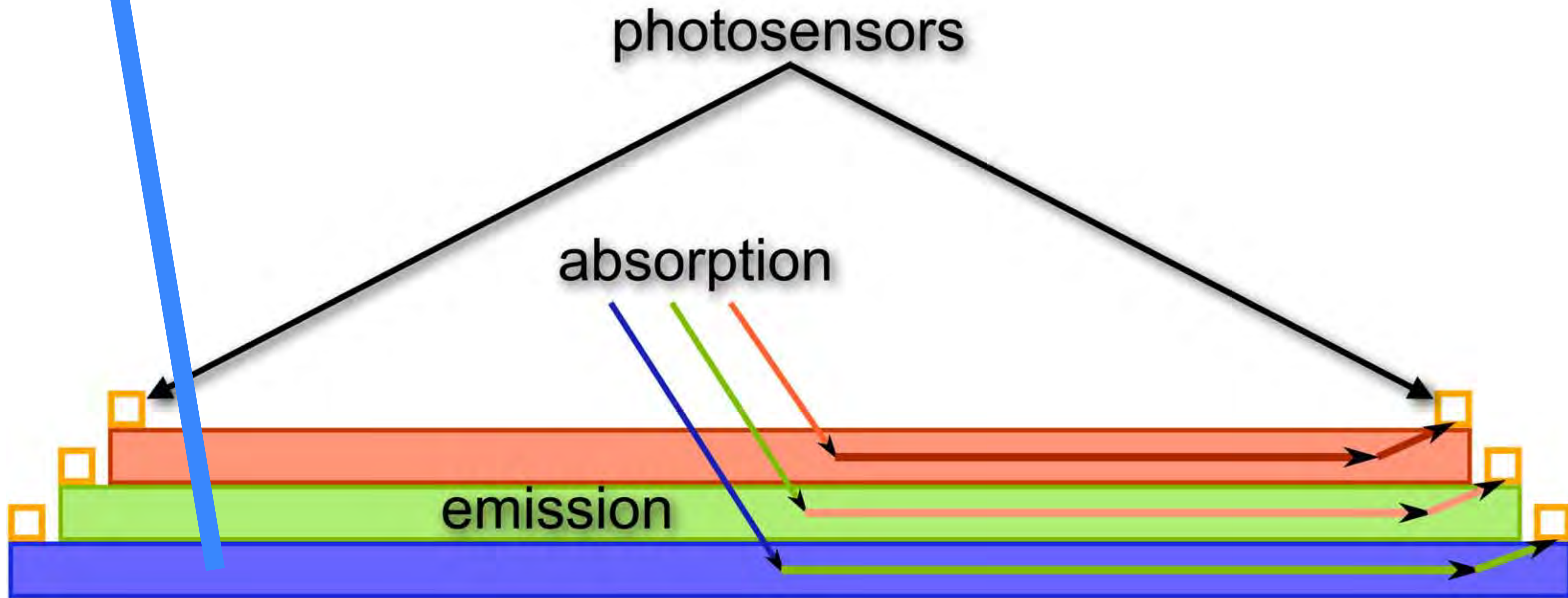
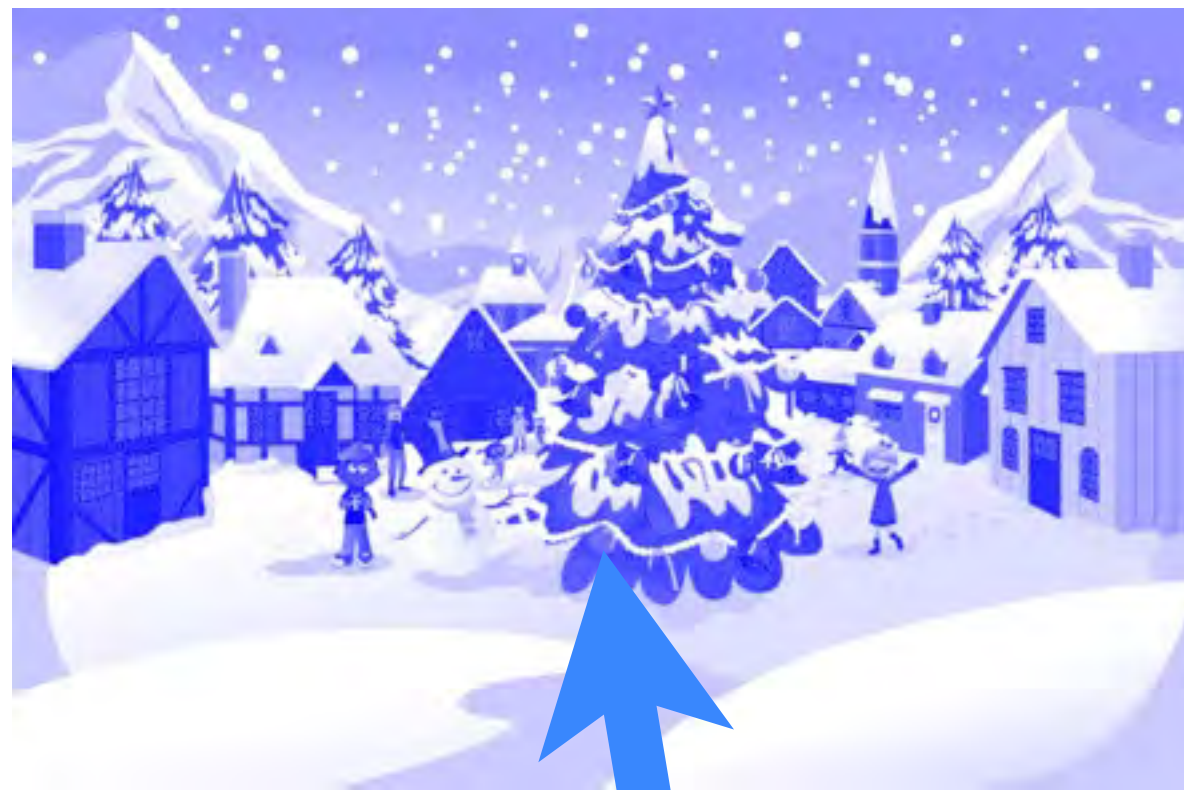


photosensors

absorption

emission



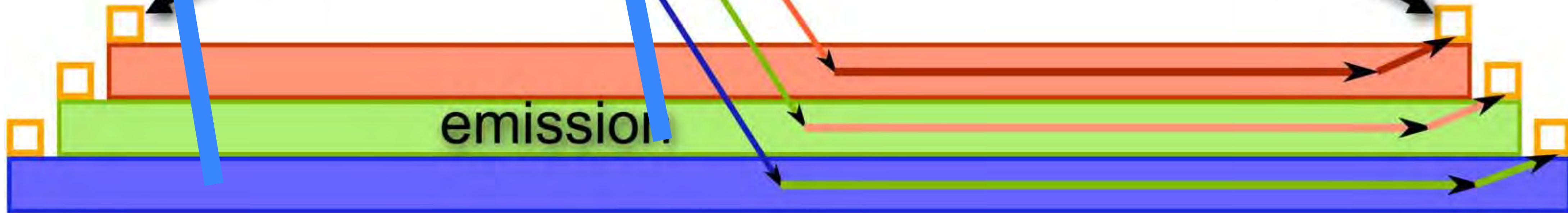


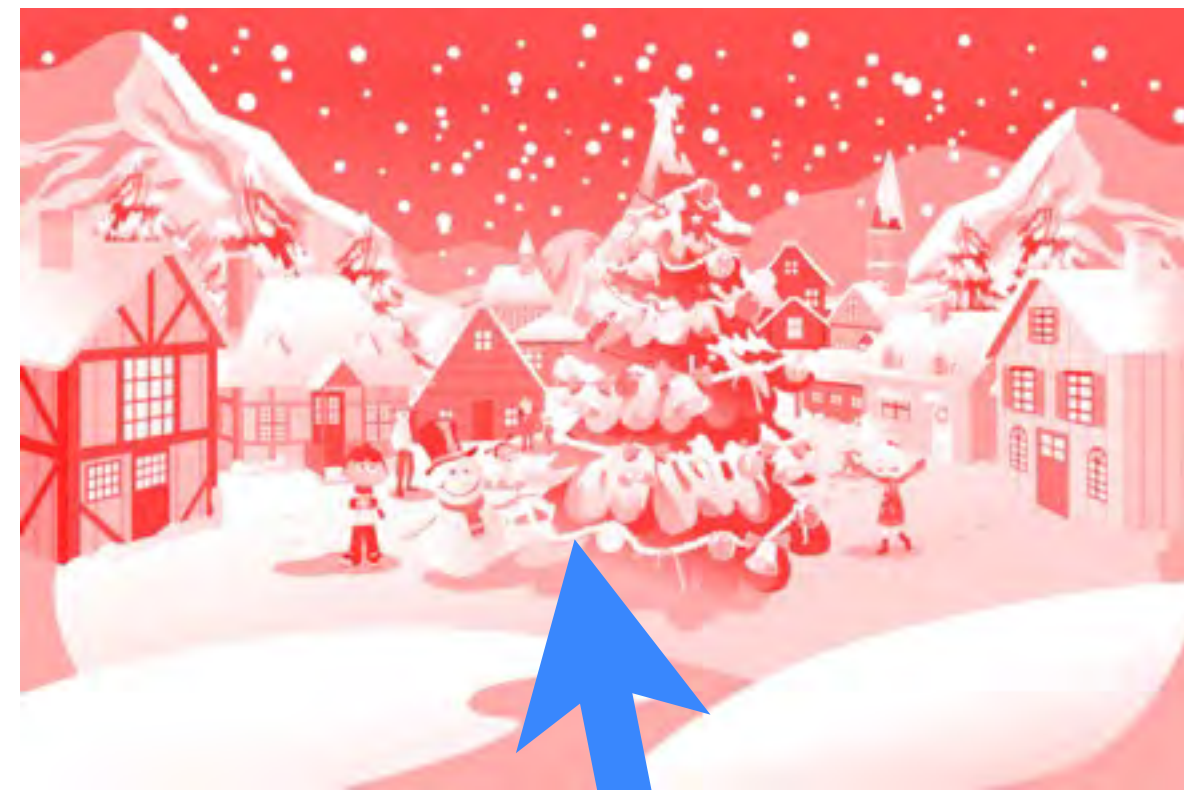


photosensors

absorption

emission

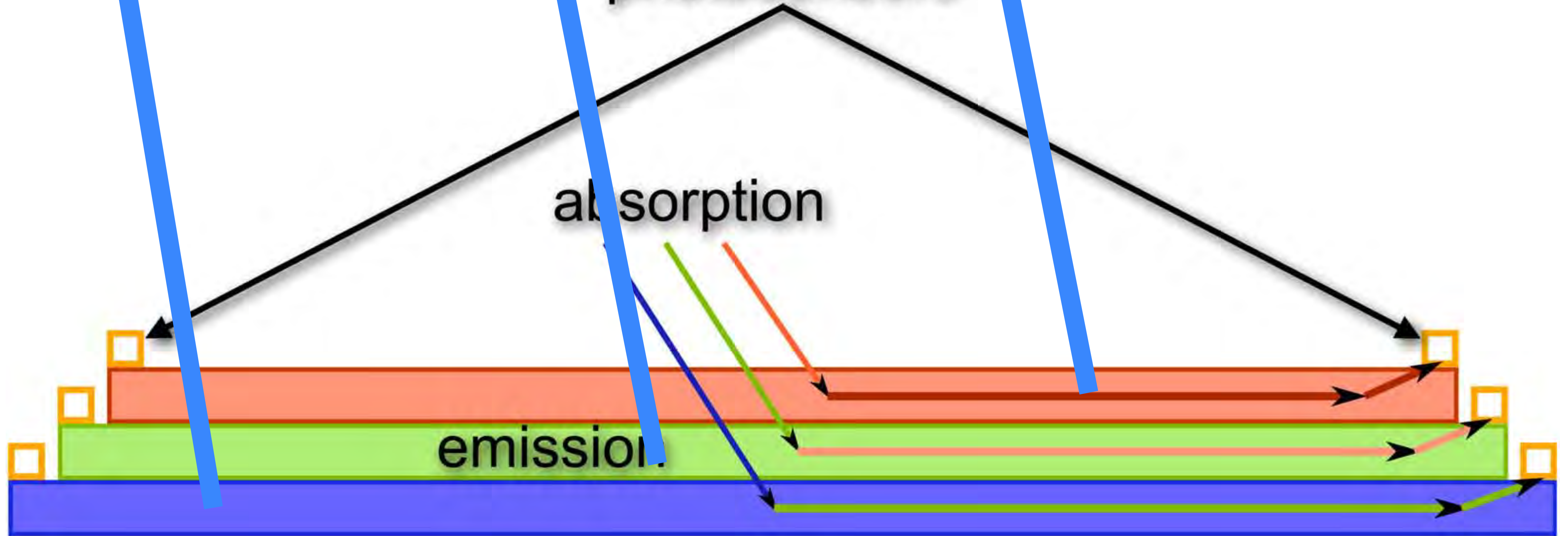


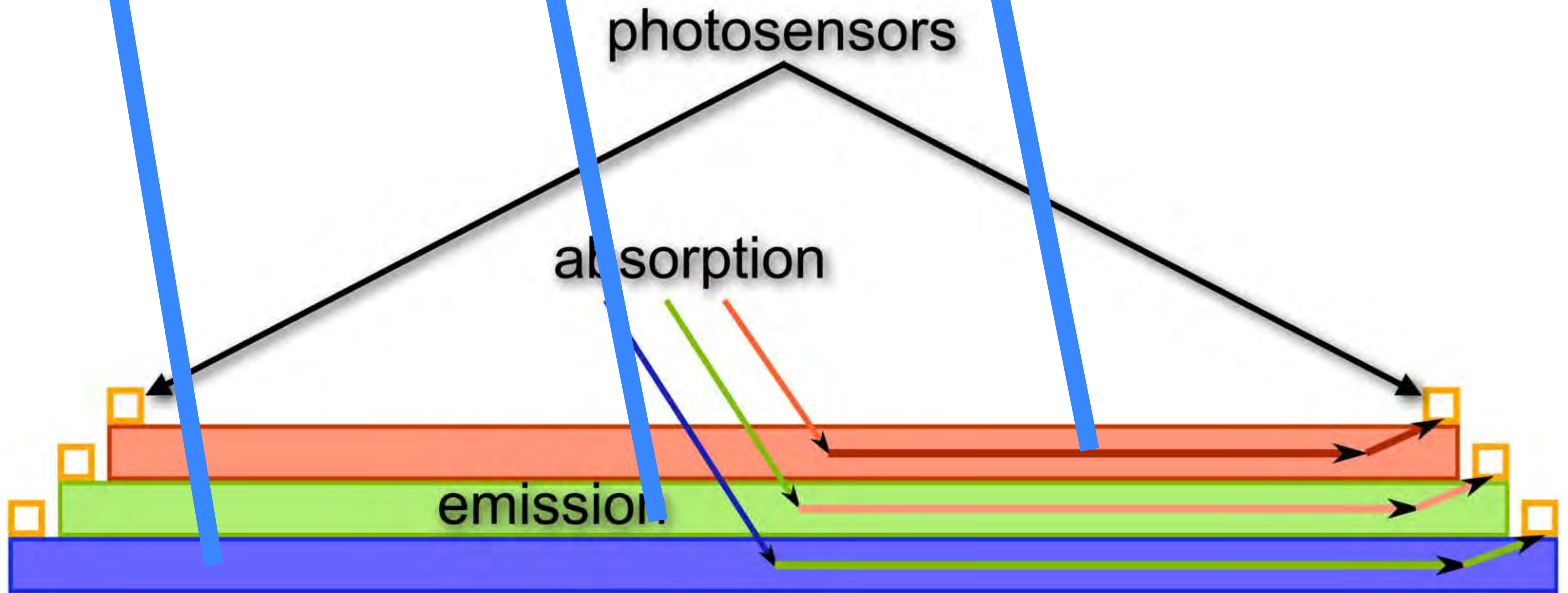
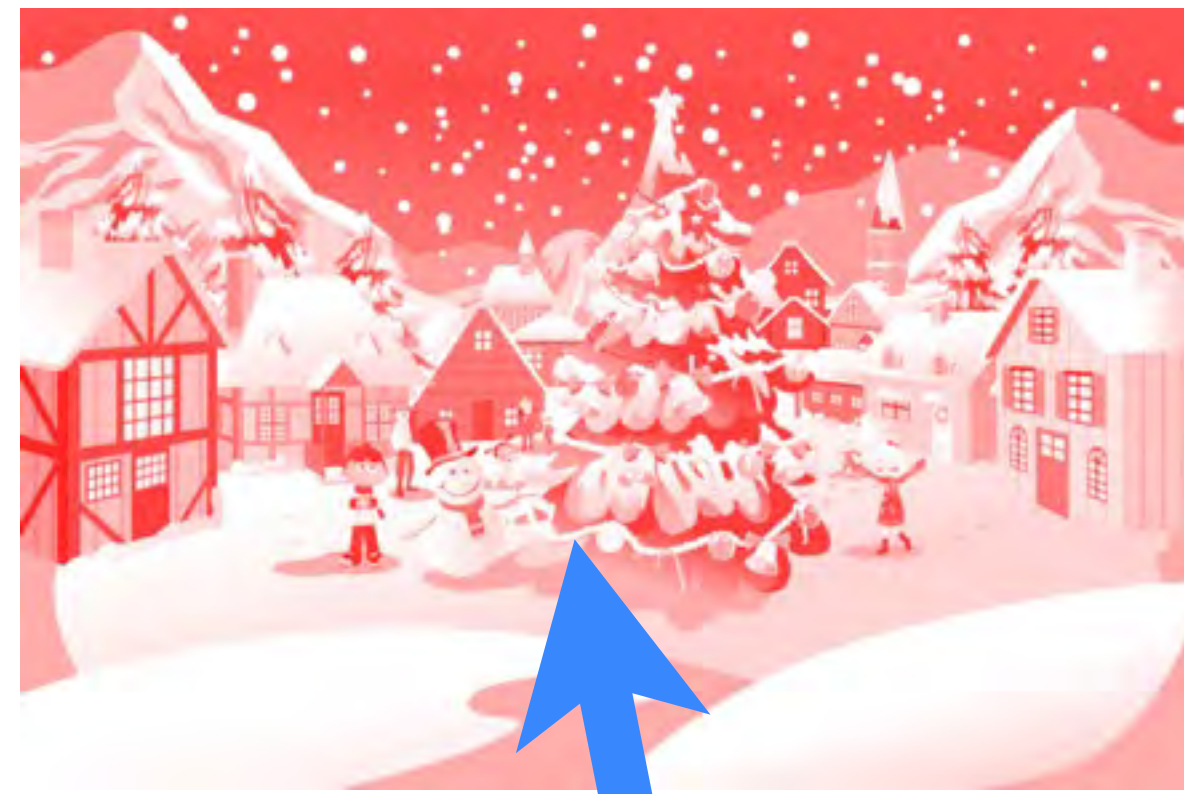


photosensors

absorption

emission

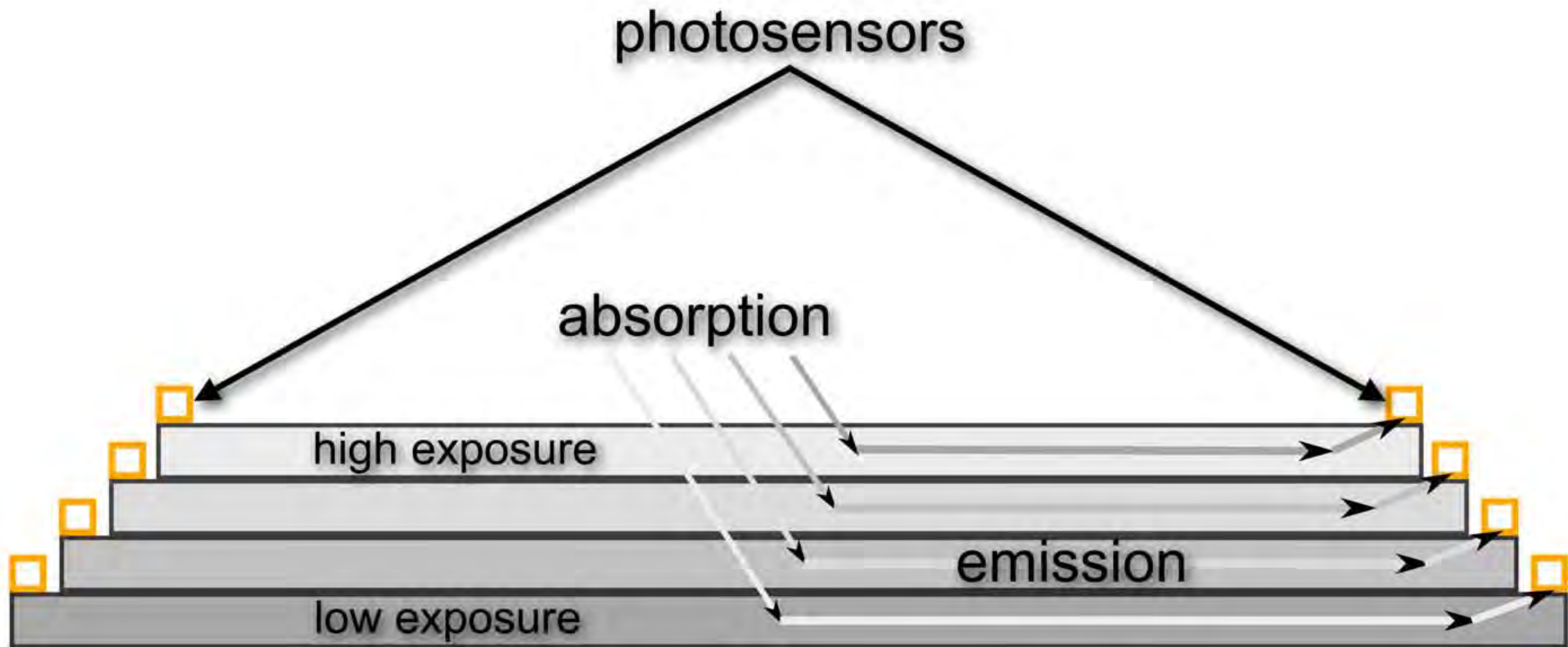


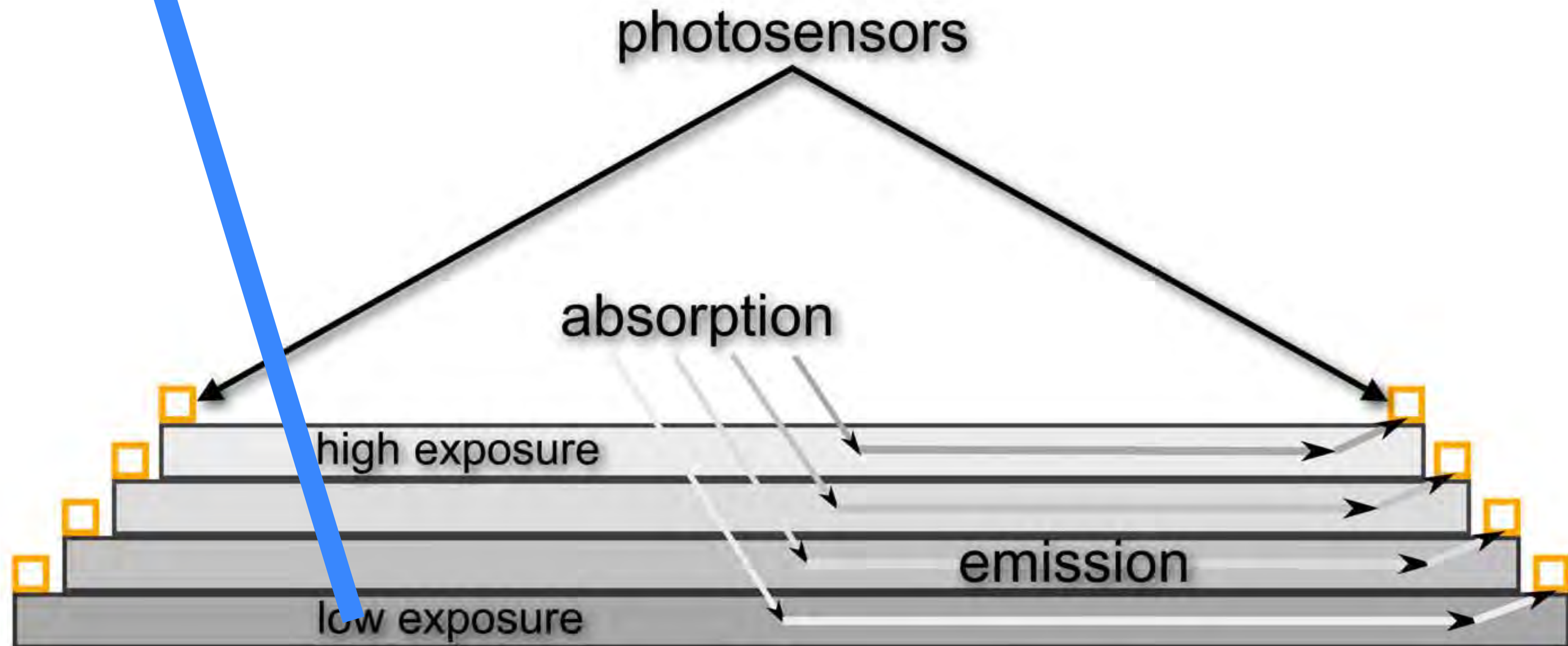


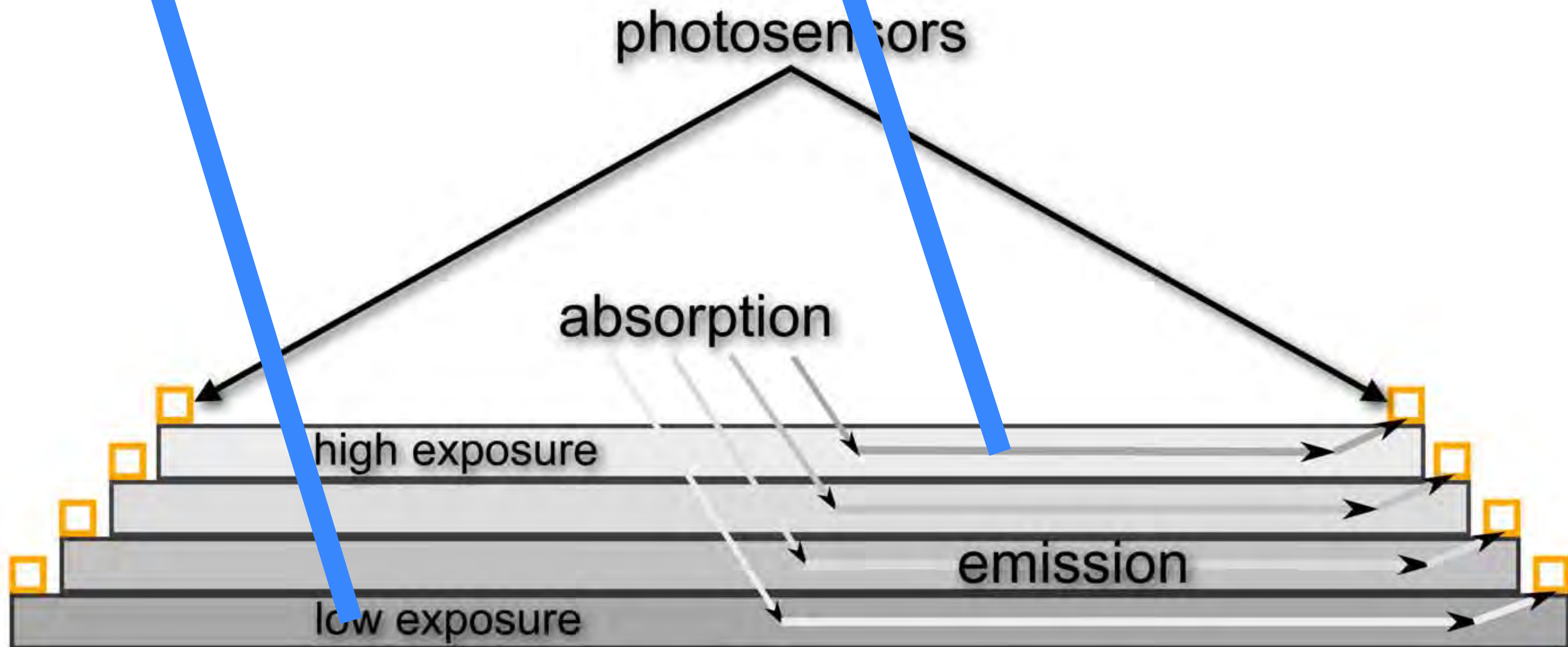














Vielen Dank!

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Vielen Dank!
Frohe Weihnachten!

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