



**MORE RANGE. MORE CONTROL.
MORE OPTIONS. NO COMPROMISE.**

■ KODAK VISION3 200T Color Negative Film 5213/7213

The KODAK VISION3 Film family has raised the bar for high-definition capture with unrivaled highlight latitude, reduced grain in shadows, flexibility in post, and, of course, proven archival stability. Now, with the addition of KODAK VISION3 200T Color Negative Film 5213/7213, we've developed a film that performs superbly in both controlled interiors and in challenging high-contrast exteriors.

VISION3 200T is a 200-speed tungsten film that provides the image structure of a 100 speed film with the versatility of a 200 speed product — offering you the benefits of two films in one.

Experience the improved extreme exposure performance and consistent VISION3 Film family look. Enjoy the added flexibility and increased creative control that comes with all the detail captured in the extremes of exposure. Benefit from the value in time and money that can be realized both on set and in postproduction.

With the addition of KODAK VISION3 200T to the VISION3 Film family, we have once again proven the value, possibilities, and power of film. It's time to look forward to the future with more options and no compromise.

www.kodak.com/go/200t

Film. No Compromise.

Kodak



Original Negative Exposure Data

Lens: 38mm (CANON 11 - 165mm T2.5 Zoom Lens)

FPS: 24

Filter: 85

Incident light levels: (HMI and ambient daylight approximately 5660K)

Key: T2.8 (80 fc)

Backlight: T11 (1200 fc)

Stop notations listed on the photo are reflected-light readings.

1 -5 Stops

2 -4 Stops

3 -2.7 Stops

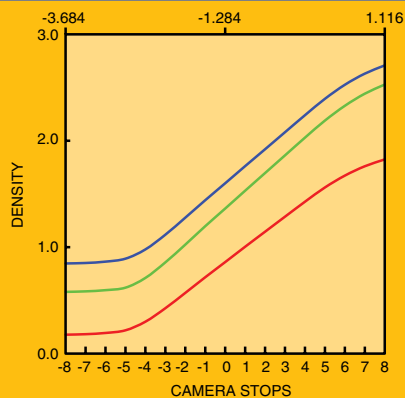
4 +1 Stop

5 +2.3 Stops

6 +4.4 Stops

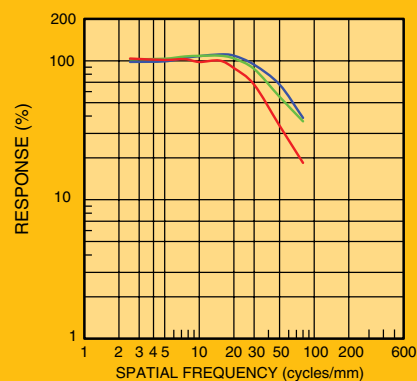
7 +5.3 Stops

8 +6.3 Stops



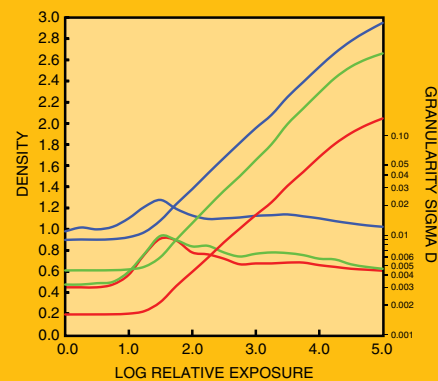
SENSITOMETRIC CURVES

"0" on the x-axis represents normal exposure of an 18-percent gray card in the red, green, and blue layers of this film. A white card is $2\frac{1}{2}$ stops higher than normal exposure, and there are at least $3\frac{1}{2}$ stops above that for capturing specular highlight detail. A 3-percent black card is $2\frac{1}{2}$ stops below normal exposure. There are at least $2\frac{1}{2}$ stops of latitude below that for capturing shadow detail.



MODULATION-TRANSFER CURVES

This graph shows a measure of the visual sharpness of this film. The x-axis, "Spatial Frequency," refers to the number of sine waves per millimeter that can be resolved. The y-axis, "Response," corresponds to film sharpness. The longer and flatter the line, the more sine waves per millimeter that can be resolved with a high degree of sharpness — and the sharper the film.



DIFFUSE RMS GRANLARITY CURVES

To find the rms granularity value for a given density, find the density on the left vertical scale and follow horizontally to the sensitometric curve and then go vertically (up or down) to the granularity curve. At that point, follow horizontally to the Granularity Sigma D scale on the right. Read the number and multiply by 1000 for the rms value.

Base

Acetate safety base with rem-jet backing.

Darkroom Recommendations

Do not use a safelight. Handle unprocessed film in total darkness.

Storage

Store unexposed film at 13°C (55°F) or lower. For storage of unexposed film longer than 6 months, store at -18°C (0°F). Process film promptly.

Exposure Index

Tungsten—200 ; Daylight (5500K)—125 (with KODAK WRATTEN 2 Gelatin Filter No. 85)

Color Balance

This film is balanced for exposure with tungsten illumination (3200K). For other light sources, use the correction filters in the table below.

Laboratory Aim Density

Time negative originals relative to Laboratory Aim Density (LAD) Control Film available from Eastman Kodak Company. More information about LAD and Digital LAD is available online at www.kodak.com/go/LAD.

Postproduction Information

When you transfer this film, set up the telecine using KODAK VISION3 Telecine Analysis Film 5219 (TAF).

Reciprocity

No filter corrections or exposure adjustments for exposure times from 1/1000 of a second to 1 second.

Identification

After processing, the Kodak internal product code symbol (EO), product code number 5213, emulsion/roll number identification, and KODAK KEYCODE Numbers are visible along the length of the film.

Processing

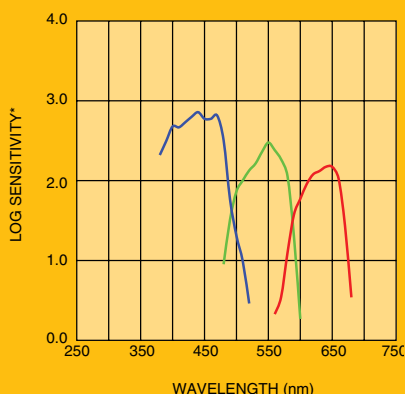
ECN-2

Grain

The perception of graininess of any film depends on scene content, complexity, color, and density. In KODAK VISION3 200T Color Negative Film 5213/7213, the measured granularity is exceptionally low.

Sharpness

The perceived sharpness of any film depends on various components of the motion picture production system. Camera and projector lenses, film printers, and other factors play a role, but the specific sharpness of a film can be measured and charted in the Modulation Transfer Curve.

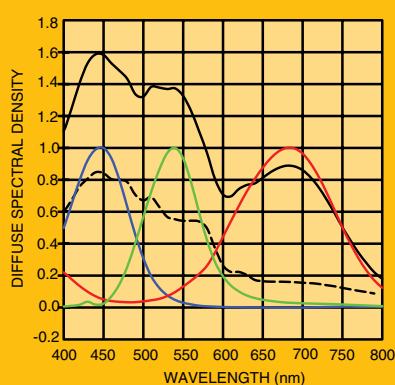


SPECTRAL-SENSITIVITY CURVES

These curves depict the sensitivity of this film to the spectrum of light. They are useful for determining, modifying, and optimizing exposure for blue- and green-screen special-effects work.

Spectral Sensitivity Curve Key

- Sensitivity of the yellow dye forming layer
- Sensitivity of the magenta dye forming layer
- Sensitivity of the cyan dye forming layer



SPECTRAL DYE-DENSITY CURVES

These curves depict the spectral absorption of the dyes formed when the film is processed. They are useful for adjusting or optimizing any device that scans or prints the film.

NOTE: Cyan, Magenta, and Yellow Dye Curves are peak-normalized.

Spectral Dye Density Curve Key

- Midscale Neutral
- Cyan Dye
- Magenta Dye
- Yellow Dye
- Minimum Density

LIGHT SOURCE	KODAK FILTERS ON CAMERA*	EXPOSURE INDEX
Tungsten (3000K)	None	200
Tungsten (3200K)	None	200
KINO FLO KF29 KINO FLO KF32	None	200
Daylight (5500K)	WRATTEN 2 Optical Filter / 85	125
Metal Halide	WRATTEN 2 Optical Filter / 85	125
HMI	WRATTEN 2 Optical Filter / 85	125
KINO FLO KF55	WRATTEN 2 Optical Filter / 85	125
Fluorescent, Warm White†	CC30R + CC05M	125
Fluorescent, Cool White‡	CC40R	64

* These are approximate corrections only. Make final corrections during printing.
† These are starting-point recommendations for trial exposures. When you don't know the type of fluorescent lamp, use a KODAK Color Compensating Filter CC30R + CC20Y with an exposure index (EI) of 100.

KODAK VISION3 200T Color Negative Film 5213/7213

STANDARD PRODUCTS AVAILABLE*

FORMAT AND SPECIFICATION NO.	LENGTH IN METERS (FEET)	CORE	DESCRIPTION	PERFORATIONS/PITCH METRIC (IMPERIAL)
65 mm SP332	305 (1000)	P	Emulsion in	KS-4740 (KS-1866)
35 mm SP718	61 (200)	U		BH-4740 (BH-1866)
35 mm SP718	122 (400)	U		BH-4740 (BH-1866)
35 mm SP718	305 (1000)	U		BH-4740 (BH-1866)
16 mm SP449	30 (100)	R-90 100-ft spool		2R-7605 (2R-2994)
16 mm SP451	122 (400)	T		2R-7605 (2R-2994)
16 mm SP445**	61 (200)	A-MIN	Emulsion out. See footnote.	1R-7605 (1R-2994)
16 mm SP455	30 (100)	R-90 100-ft spool	Winding B	1R-7605 (1R-2994)
16 mm SP457	122 (400)	T	Winding B	1R-7605 (1R-2994)
16 mm SP458	244 (800)	Z	Winding B	1R-7605 (1R-2994)
S8 mm SP464	15 (50)		Super 8 cartridge	1R-7605 (1R-2994)

* Availability may vary by location. Contact your local Kodak representative for additional information.

** Spec. 445 can be used only in the AATON A-MINIMA Camera.

For direct ordering in the United States and Canada: 1-800-621-FILM (3456)

UNITED STATES

Hollywood, California
Phone: 323-464-6131
Orders: 1-800-621-FILM

New York, New York
Phone: 212-631-3400
Orders: 1-800-621-FILM

KODAK SHOOTSAVER Express
Film Delivery Service
(U.S. only) 1-800-404-2016

"Will Call" / Pick-up Locations
1017 N. Las Palmas
Hollywood, CA 90038

360 W. 31st Street, 2nd Flr
New York, NY 10001

61 W. Erie Street
Chicago, IL 60610

2225 Cedars Road, Suite A
Lawrenceville, GA 30043

3400 Carlisle Street, Suite 105
Dallas, TX 75204

733-A Distributors Row
Harahan, LA 70123

CANADA

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Fax: 1-416-760-4592
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Kodak Canada Inc.—Quebec
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Fax: 55.12.3932.6721

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Cinecolor Chile (Chilefilms S.A.) (Authorized Distributor)
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Publicine Ltda. (Authorized Distributor)
Phone: 56.2.209.1396

COLOMBIA
Cinecolor Colombia (Authorized Distributor)
Phone: 57.1. 743.2323 x-6043

ECUADOR
Veinco Cia. Ltda. (Authorized Distributor)
Phone: 59.3.2256.5738/593.2254.2229

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Phone: 52-55.1105.1730
Fax: 52-55.1105.1706

PERU
Lighting Camera S.A. (Authorized Distributor)
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www.kodak.co.nz/go/motion

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and 00 92 21 529 1805
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For additional information,
visit us online at
www.kodak.com/go/motion

Kodak

Notice: While the data presented are typical of production coatings, they do not represent standards that must be met by Kodak. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve product characteristics at any time. New 4-10.

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KODAK VISION3 200T Color Negative Film, KODAK Publication No. H-1-5213

