Kodak PRIMETIME 640T

TELEPRODUCTION FILM

SPEED, LOOKS, AND PRODUCTIVITY—ALL IN ONE REVOLUTIONARY FILM

KODAK PRIMETIME 640T Teleproduction Film, designed specifically for teleproduction, is now available in two formats—35 mm and 16 mm.

- KODAK PRIMETIME 640T Teleproduction Film / 5620, the world's first 35 mm teleproduction film, is now even better.
- KODAK PRIMETIME 640T Teleproduction Film / 7620 is the first and fastest 16 mm film designed specifically for teleproduction.

PRIMETIME Film's unique, patented design allows greater creative range and efficiency in production and gives better pictures more quickly in post production. And, by incorporating Kodak's proprietary VISION Film emulsion technology into its design, you gain superior sharpness and fine grain in a high-speed film that plays to the telecine's strengths.

With a recommended EI rating of 640T, PRIMETIME Film gives you more flexibility in available-light situations, faster setups, greater depth of field in low-key scenes, and an extended shooting day. Plus, its teleproduction design translates into great-looking images, more accurate colors, excellent flesh-to-neutral reproduction, flattering fleshtones with less diffusion, black blacks with rich shadow information, and highlights filled with detail.

PRIMETIME Film has wider transfer latitude than any other film, which means more scene information is accessible in post. This translates to a film that accommodates the scene with features like extreme highlight handling so that you can expand your artistic range. The colorist gets more information to work with and can deliver better pictures faster. And, because PRIMETIME Film is calibrated to the telecine, colors and tones are rendered more accurately. The result: fewer compromises and more creativity throughout the whole production and post-production process.

Finally, there is a film that delivers optimum creative space and optimum productivity. Get the best of all worlds for teleproduction—speed, looks, and a production-friendly design—in this revolutionary, hybrid film.

BASE

Acetate safety base with rem-jet backing.

DARKROOM RECOMMENDATIONS

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

PROCESSING

ECN-2

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 (3200 K)—640; Daylight—400 (with KODAK WRATTEN Gelatin Filter No. 85)

LABORATORY AIM DENSITY

PRIMETIME 640T Film is optimized for video transfer performance. It is not recommended for use with any color print film for the purpose of making projection prints. However, interpositives, internegatives, prints, and low-contrast prints can be made from PRIMETIME Film as long as the intended use is for video transfer. For more information, contact your Kodak sales representative.

COLOR BALANCE

This film is balanced for exposure with tungsten illumination (3200 K). You can also expose it with tungsten lamps that have slightly higher or lower color temperatures (±150 K) without correction filters. For other light sources, use the correction filters in the table below:

LIGHT SOURCE	*KODAK* FILTERS ON CAMERA	EXPOSURE INDEX
Tungsten (3000 K)	WRATTEN Gelatin No. 82B	400
Tungsten (3200 K)	None	640
Daylight (5500 K)	WRATTEN Gelatin No. 85	400
Fluorescent, Cool White*	WRATTEN Gelatin No. 85 + 10M	250
Fluorescent, Deluxe Cool White*	WRATTEN Gelatin No. 85C+ 10R	400
Metal Halide H.M.I.	WRATTEN Gelatin No. 85	400

* These are starting point recommendations for trial exposures. When you don't know the type of fluorescent lamp, use a KODAK Color Compensating Filter CC40R with an exposure index (EI) of 320.

POST-PRODUCTION INFORMATION

When you transfer this film directly to video, set up the telecine using Telecine Analysis Film (TAF) for KODAK PRIMETIME Film. A wide latitude of scene information is accessible through the telecine especially demonstrated by the extreme highlight capability.

Exposure feedback on video dailies is provided from an 18-percent gray card using KODAK Telecine Exposure Calibration Film (TEC Film). Once the telecine is calibrated with TEC Film, you can obtain transfer points similar to printer lights.

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 (Y), product code 5620 or 7620, emulsion and roll number identification, and KODAK KEYKODE Numbers are visible along the length of the film.

GRAIN

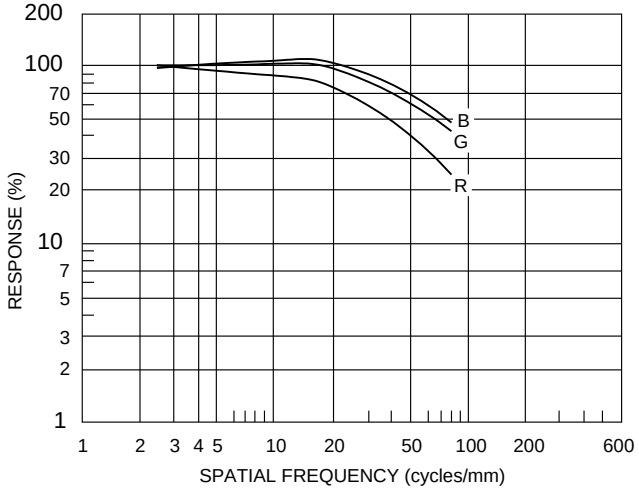
The "perception" of graininess of any film depends on scene content, complexity, color, and density. Other factors, such as film age, processing, exposure conditions, and telecine transfer may also have significant effects. In PRIMETIME 640T Film, the measured granularity is very low. During film-to-tape transfer of this film on telecine equipment, the very low granularity is amplified by the electronics. The result is a level of graininess (or noise) similar to that of high-speed VISION Films in the shadows, and, by design, improved levels of noise in the highlights.

SHARPNESS

The "perceived" sharpness of any film depends on various components of the motion picture production system. The camera and projector lenses and 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.**

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 millimetre that can be resolved. The y-axis, "Response," corresponds to film sharpness. The longer and flatter the line, the more sine waves per millimetre that can be resolved with a high degree of sharpness—and, the sharper the film.



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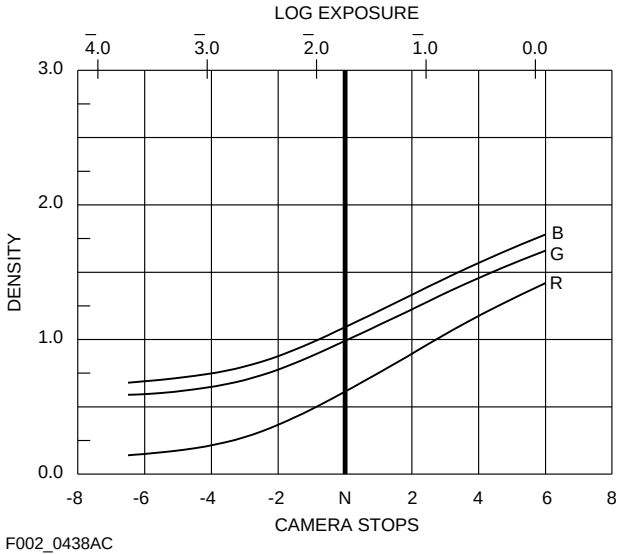
SENSITOMETRIC CURVES

The center point (“N”) on the x-axis corresponds to a normal exposure of an 18-percent gray card in the red, green, and blue layers of this film. A 90-percent white card is 2 ½ stops higher than normal exposure. A 3-percent black card is 2 ½ stops below normal exposure. PRIMETIME Film captures approximately 10 stops of usable information..



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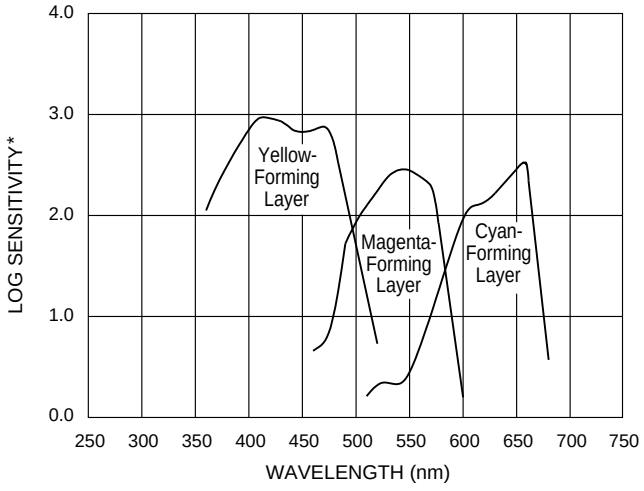
SPECTRAL-SENSITIVITY CURVES

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



*Sensitivity = reciprocal of exposure (ergs/cm^2) required to produce specified density

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STANDARD PRODUCTS AVAILABLE

KODAK PRIMETIME 640T Teleproduction Film / 5620			
Format	**Length in Feet (Metres)**	**Description**	**Perforation/ Pitch**
35 mm VXP718	400 (122)	On Core	BH-1866
35 mm VXP718	1000 (305)	On Core	BH-1866
35 mm VXP239	2000 (610)	On Core	BH-1866
KODAK PRIMETIME 640T Teleproduction Film / 7620			
16 mm VXP449	100 (30)	Camera Spool	2R-2994
16 mm VXP451	400 (122)	On Core	2R-2994
16 mm VXP455	100 (30)	Camera Spool, Winding B	1R-2994
16 mm VXP457	400 (122)	On Core, Winding B	1R-2994

KODAK PRIMETIME 640T Teleproduction Film 5620 / 7620

ADDITIONAL INFORMATION

For assistance, call the Kodak Information Center in the U.S. at 1-800-242-2424 between 8 a.m. and 8 p.m. (Eastern time), Monday –Friday. To order the publications below, call 1-800-233-1650 between 8 a.m. and 7 p.m. (Eastern time). Outside the U.S. and Canada, contact Kodak in your country.

FILMS

Cinematographer's Field Guide
KODAK Publication No. H-2

PROCESSING

Manual for Processing EASTMAN Motion Picture Films, Process ECN-2 Specifications, Module 7
KODAK Publication No. H-24.07

IMAGE STRUCTURE

EASTMAN Professional Motion Picture Films
KODAK Publication No. H-1

STORAGE

EASTMAN Professional Motion Picture Films
KODAK Publication No. H-1

The Book of Film Care
KODAK Publication No. H-23

TRANSFER

KODAK Telecine Analysis Film User's Guide
KODAK Publication No. H-822

KODAK Telecine Exposure Calibration Film User's Guide
KODAK Publication No. H-807

KODAK ON-LINE AT:

http://www.kodak.com/go/motion
You may want to bookmark our location so you can find us easily the next time.

Professional
Motion Imaging

KODAK PRIMETIME 640T
Teleproduction Film 5620 / 7620
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