

Kodak Vision3

KAMERA/TECHNIK

Die Kodak Vision3-Serie stellt die neueste Generation von Kodak-Motion-Picture-Negativfilmen dar und bietet verbesserte Kornstruktur und Farbwiedergabe. Vision3-Bestände sind der aktuelle Standard für professionelle Filmkinematografie.

Kodak Vision3 Color Negative Film Series The Kodak Vision3 series represents the current generation of Kodak professional motion picture color negative films, introduced in the late 2000s. Vision3 stocks feature enhanced grain structure, improved color rendering, and superior digital scanning characteristics compared to their predecessors. Vision3 Development Vision3 evolution reflects modern cinematography needs: Introduction : 2009-2012 (phased rollout) Motivation : Digital-era cinematography improvements Previous Generation : Vision2 stocks (now discontinued) Technical Improvements : Grain reduction, color enhancement, scanability Current Status : Only Kodak color negative option available Vision3 Film Stocks Complete Current Lineup : Vision3 50D - Daylight-balanced ultra-fast speed Vision3 200T - Tungsten-balanced medium speed Vision3 250D - Daylight-balanced high speed Vision3 500T - Tungsten-balanced high speed Speed and Color Temperature The Four Vision3 Options : Stock Speed (ISO) Color Temp Use Case 50D 50 Daylight (5500K) Bright daylight, slow motion 200T 200 Tungsten (3200K) Mixed interior/day, moderate light 250D 250 Daylight (5500K) Outdoor, typical daylight use 500T 500 Tungsten (3200K) Low light, fast motion capability Technical Characteristics of Vision3 Shared Vision3 Properties : Grain : Fine grain relative to speed rating Color Rendition : Warm color palette, pleasing highlights Latitude : Approximately ± 1 stop usable exposure range Shadow Detail : Good retention in underexposed areas Highlight Rolloff : Pleasant, not blocked up Digital Scanning : Optimized for modern scanning technology Color Balance : Daylight stocks (50D, 250D): Balanced for 5500K Tungsten stocks (200T, 500T): Balanced for 3200K Slight magenta/warm bias characteristic of Kodak Color correction filters optional but common Processing Requirements ECN-2 Processing : All Vision3 stocks use Eastman Color Negative (ECN-2) chemistry Laboratory standard process (no proprietary requirements) Temperature-controlled chemistry, precise timing Consistent with cinema film standards globally Exposing Index (EI) Considerations : Nominal EI matches ISO rating (Vision3 250D = EI 250) Push/Pull processing available (typically ± 1 stop) Personal EI adjustment based on meter calibration Confirmatory tests recommend when starting new batch Vision3 50D (Kodak 5203) Key Characteristics : Fastest Daylight Stock : Speed 50 ISO Finest Grain : Exceptional grain for speed High Contrast : More contrast than other Vision3 Bright Light Requirement : Best in intense daylight Ultra Slow Motion : Enables fast shutter speeds for motion blur control Practical Applications : High-speed photography (fast motion blur reduction) Extreme bright conditions (desert, water, white environments) Artistic slow-motion cinematography Sequences requiring minimal grain Vision3 200T (Kodak 5213) Key Characteristics : Medium Speed Tungsten : 200 ISO at 3200K Balanced Middle Ground : Speed between 50D and 500T Versatile Speed : Flexible for mixed lighting Good Color : Excellent color separation Practical Tungsten Standard : Sweet spot for tungsten-dominant environments Practical Applications : Studio lighting (tungsten lamps) Interior cinematography with mixed lighting Night scenes with practical lights Moderate-light conditions

Vision3 250D (Kodak 5207) Key Characteristics : Standard Daylight Stock : Speed 250 ISO Most Common Vision3 : Industry standard daylight film Balanced Performance : Good grain/speed compromise Daylight Optimized : Best daylight color balance Typical Choice : Default for outdoor/day-exterior scenes Practical Applications : Standard outdoor cinematography Daylight-dominant productions Typical daylight/fluorescent mixed scenes Most common Vision3 usage

Vision3 500T (Kodak 5219) Key Characteristics : Highest Speed Tungsten : 500 ISO at 3200K Low Light Capability : Enables cinematography in dim environments Noticeable Grain : Grain visible but acceptable at speed High Speed Motion : Good for fast-motion capabilities Night Cinematography : Essential for night exteriors Practical Applications : Night exterior cinematography Low-light interior environments Fast motion requirements (fast shutter angle) Practical-light-dependent scenes Color Characteristics of Vision3 Characteristic Kodak Palette : Warm Color Balance : Slight magenta/warm bias Shadow Detail : Rich shadows without crushing Highlight Handling : Pleasant rolloff, not posterized Skin Tones : Warm, pleasing rendition Color Separation : Excellent distinction between colors Practical Implications : Distinctive "Kodak look" in final image Color grading accounts for inherent characteristics Compare with Fujifilm's cooler palette Cinematographer selection reflects desired aesthetic Vision3 Emulsion Characteristics Dynamic Range : Excellent latitude for color negative Significant overexposure tolerance Good shadow detail retention Typical range: -1.5 to +1.5 stops Scene-dependent variation Contrast and Saturation : Moderate contrast range Good color saturation without oversaturation Pleasant color separation in all tones Grading-friendly base for creative work Vision3 Grain Structure Grain Properties : Fine grain relative to speed (primary Vision3 achievement) 50D has finest grain (slow speed advantage) 500T has visible grain (speed trade-off) Digital scanning preserves grain detail 35mm grain perceptible on large projection Film-to-Digital Workflow Vision3 Scanning Optimization : Vision3 optimized for modern digital scanning Kodak worked with scanner manufacturers on compatibility DCP mastering from Vision3 straightforward Color science supports HDR and DCI-P3 Digital Grading : Scanning to DCI-P3 color space recommended Kodak color characteristics preserved in scan Log color grading workflow standard LUT application for creative grading Speed/Grain Trade-offs Film Selection Philosophy : Stock Speed Advantage Grain Trade-off Best Use 50D Slow = slow shutter Finest grain Bright light, no grain 200T Moderate speed Minimal grain Studio tungsten 250D Good speed/grain Balanced Standard daylight 500T Fast = more motion Visible grain Night, low light Cinematographer Decision : Select fastest stock that provides adequate shutter speed Slower stock allows slower shutter for motion blur control Brighter lights enable slower film = finer grain Grain acceptance influences film selection Vision3 vs. Alternative Films Vision3 Advantages : Latest Kodak technology Fine grain for their speeds Digital-era optimization Standard laboratory support Historical Alternatives (Discontinued): Vision2 stocks (older grain, less optimal) Kodak Portra (professional stocks, less availability) Kodak Double-X B&W (different application) Competing Stocks : Fujifilm Eterna (cooler color, limited availability) ORWO stocks (archival, limited modern use) Vision3 Availability and Cost Current Supply : Limited production capacity Premium pricing due to scarcity Specialty film supplier requirement Advance ordering recommended Cost Considerations : Film stock cost (\$100-150 per 1000ft roll) Processing cost (\$0.10-0.15 per foot) Scanning cost (\$50-150 per reel at labs) Total material cost significant percentage of budget Vision3 in Contemporary Cinema Film Renaissance : Increasing cinematographer selection of film High-profile productions using Vision3 New generation exploring film aesthetics Kodak production capacity strained by demand Hybrid Workflows : Many productions combine film and

digital Vision3 for specific scenes/look Digital for other requirements Post-production unifies formats Storage and Handling Vision3 Film Requirements : Cool storage (below 55°F recommended) Dry environment (40-50% humidity) Sealed cans protect from light Limited shelf life before exposure (months to years) Proper processing within timeframe Future of Vision3 Vision3 represents Kodak's current standard, likely to remain: Current generation for foreseeable future No successor announced Represents pinnacle of Kodak film stock development Will continue as specialty cinematography option

FilmFarm - filmfarm.de/c/kodak-vision3-series