

NEX-5TL/B

Compact Interchangeable Lens Digital Camera



Specifications

Camera	
Lens Compatibility	Sony E-mount, operation with Minolta/Konica Minolta Maxxum A-mount lenses confirmed via optional LA-EA1/LA-EA2 adaptor
Camera Type	Interchangeable Lens Digital SLR camera
Lens Mount Type	Sony E-mount
Imaging Sensor	
Imaging Sensor	Exmor® APS HD CMOS sensor (23.5 X 15.6mm)
Processor	BIONZ™ image processor
Anti Dust	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Pixel Gross	Approx. 16.1M pixels
Effective Picture Resolution	Approx. 16.1 megapixels
Focal Length Conversion Factor	1.5x
Color Filter System	RGB primary color filters
Recording	
Media Type	Memory Stick PRO Duo™/Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Color Space	Stills: sRGB, AdobeRGB Movie: xvYCC standard (x.v.Color™ when connected via HDMI cable) compatible with TRILUMINOS™ color
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Max Effective Resolution	16.1 Megapixels
Still Image Size 16:9	L: 4912 x 2760 (7.1 MP), M:3568 x 2000(7.1 MP), S: 2448 x 1376 (3.4 MP)
Still Image Size 3:2	L: 4912 x 3264 (16 MP), M: 3568 x 2368 (8.4 MP) , S: 2448 x 1624 (4 MP)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M), Horizontal Std.: 8,192 x 1,856 (15M), Vertical Wide: 2,160 x 5,536 (12M), Vertical Std.: 2,160 x 3,872 (8.4M), 3D Sweep Panorama: N/A
Video Mode	AVCHD / MP4 (MPEG-4 AVC (H.264))
Video Resolution	AVCHD: PS - 1920 x 1080/ 60p @ 28Mbps FX - 1920 x 1080/ 60i @ 24Mbps FH - 1920 x 1080/ 60i @ 17Mbps FX - 1920 x 1080/ 24p @ 24Mbps FH - 1920 x 1080/ 24p @ 17Mbps MP4: HD - 1440 x 1080/ 30p @ 12Mbps VGA - 640 x 480/ 30p @ 3Mbps
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone/ Built-in monaural speaker; volume settings in 8 steps between 0 and 7

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Lens Type Sony Errount Inness Lens Mubilitation Optical SteadyShot Aperture (Max.) 1/3 5 - 5.6 Aperture (Max.) 1/3 5 - 5.6 Aperture (Max.) Approx. 3x Digital Zoom Approx. 3x Digital Zoom Approx. 4x Focal Length (Stimm equivalent) Admm.77mm Elter Dometer 40 form Lens Gouge-Stements 8 gouges, 9 elements (4 appheric surfaces) Minimum Focus Distance 9-13/16' (28m) (0/0) - 11-37/16' (0.3m) (1) Af for Movie Capture Contrast AF Apple: Elements 12 Delement.3 appheric elements Dimensions (Max. Diameter x Length) 2-5/8' x 1-13/16 (0.47 x 29 9mm) Dimensions (Max. Diameter x Length) 2-5/8' x 1-13/16 (0.47 x 29 9mm) Dimensions (Max. Diameter x Length) 2-5/8' x 1-13/16 (0.47 x 29 9mm) Dimensions (Max. Diameter x Length) 2-16' x 20 9 9mm) Dimensions (Max. Diameter x Length) 2-16' x 20' 9 9mm) Dimensions (Max. Diameter x Length) 2-16' x 20' 9 9mm) Dimensions (Max. Diameter x Length) 2-16' x 20' 9 9mm) Dimensions (Marianton 2-16' x 20' 9 0mm)	Optics/Lens	
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Custof Hizditoriplaybackplaybackof the tree to	Grid Display	Yes (Rule of Thirds, 4x6 Square, Diagonal 4x6 Square Grids, Off)
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An indeesManual FocusFocus AreaMulti Point AF (99 points for phase-detection AF, 25 points for contrast-detection AF), Center-weighted, Flexible, SpotFocus SensitivityEV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)Manual Focus AssistMF Assist (4.8x, 9.6x)	Focus Points	
Focus AreaAF), Center-weighted, Flexible, SpotFocus SensitivityEV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)Manual Focus AssistMF Assist (4.8x, 9.6x)	AF Modes	Single-shot AF(AF-S), Continuous AF(AF-C), Auto Focus, Direct Manual Focus (DMF), Manual Focus
Manual Focus Assist MF Assist (4.8x, 9.6x)	Focus Area	AF), Center-weighted, Flexible, Spot
	Focus Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Focus Features Predictive control (AF-A, AF-C), Focus Lock	Manual Focus Assist	MF Assist (4.8x, 9.6x)
	Focus Features	Predictive control (AF-A, AF-C), Focus Lock



AF Illuminator	Yes (with built-in LED type)
Exposure System	
Picture Effect(s)	11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R.G.B.Y), High Contrast, Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature
Auto Exposure Lock	Yes (AE Lock button). Can be disabled from menu
Color Temperature	2500 – 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom
Creative Style	Standard, Vivid, Portrait , Landscape, Sunset, Black White (Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps)
D-Range Optimizer	Yes: (Auto, Level, Off)
Exposure Bracketing	3 continuous or single shots in 1/3 or 2/3 EV steps
Exposure Compensation	Still images: +/-3.0 EV(1/3EV steps selectable) Movies: +/-2.0 EV(1/3EV steps selectable)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
ISO	Stills: ISO 100-25600 selectable in 1 EV steps, Auto (100-3200) Movies: ISO 100-6400 selectable in 1 EV steps, Auto (100-3200)
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Noise Reduction	Long exposure NR: available of shutter speeds longer than 1 sec
Scene Mode(s)	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Handheld Twilight, Anti Motion Blur
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Color temperature range 2500 to 9900K, Custom
Drive System	
Burst Buffer	JPEG Standard (11 shots) JPEG Fine (11 shots) RAW (10 shots) RAW+JPEG (9 shots)
Continuous Shooting Speed	Speed Priority Continuous mode: 10 fps
Drive Mode	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay), Self-timer (Cont.) (with 10 sec. delay; 3/5 exposures), Bracketing
Self-timer	2-sec. or 10-sec. delay
Shutter Speeds	Still images: 1/4000 to 30 sec, Bulb
	Movies: 1/4000 to 1/4 (1/3 steps) Up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter
Flash	
Flash Bracketing	±2.0 EV
Flash Compensation	±2.0 EV (switchable between 1/3 EV steps)
Flash Coverage	16 mm (focal length printed on lens body)
Flash Metering System	Pre-flash TTL
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable)
Flash Type	External flash (supplied) attachable to Smart Accessory Terminal2
Guide Number	7 (in meters at ISO100)
Recycling Time	Approx. 4 sec.
Convenience Features	
Self Timer	Yes
Red-Eye Reduction	Yes
Erase/Protect	Yes



Still Image Playback OptionsSildeshow, Panorama scrolling, Folder selection (Still)Video Playback OptionsForward/Rewind (movie)Multiple Language DisplayYesView IndexSingle (with or without shooting information), RGB histogram and highlight/shadow warning.4/9-frame index view. Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2sec, Off), Image orientation (On/Off), Sildeshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, ProtectAdvanced FeaturesFace DetectionOn, Off, Face Registration, Face Selection; maximum eight faces detectedSmile Shutter™ technologySmile shutter (selectable from 3 steps)Intelligent AutoYesWi-FIYesxv.Color™xv.Color™ when connected via HDMI cableSuperior AutoYesAnto BlurYesAuto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYes (eight faces max)	Media/Battery Indicator	Yes
Video Playback Options Forward/Rewind (movie) Multiple Language Display Yes View Index Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Réview (10/5/2sec, Off), Image orientation (On/Off), Sildeshow, Panorama scriber (10/5/2sec, Off), Image orientation (On/Off), Sildeshow, Panorama scriber, Protect (10/5/2sec, Off), Image orientation (On/Off), Sildeshow, Panorama scriber (10/5/2sec, Off), Image orientation (Image orientation), Sildeshow, Panora	Power Save Mode	Yes
Multiple Language Display Yes Multiple Language Display Yes Single (with or without shooting information), RGB histogram and highlight/shadow warning. 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2sec, Off), Image orientation (On/Off), Sildeshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect Advanced Features Face Detection On, Off, Face Registration, Face Selection; maximum eight faces detected Smile Shutter™ technology Smile shutter (selectable from 3 steps) Image Stabilization Intelligent Auto Yes WI-FI Yes xv.Color™ xv.Color™ when connected via HDMI cable Superior Auto Yes Anti Motion Blur Yes Auto High Dynamic Range Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off) Photo Creativity Yes (eight faces max)	Still Image Playback Options	Slideshow, Panorama scrolling, Folder selection (Still)
View IndexSingle (with or without shooting information), RGB histogram and highlight/shadow warning.4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (ID/5/2sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, ProtectAdvanced FeaturesColorFace DetectionOn, Off, Face Registration, Face Selection; maximum eight faces detectedSmile Shutter™ technologySmile shutter (selectable from 3 steps)Image StabilizationLens-based (where applicable)Intelligent AutoYesXv.Color™xv.Color™ when connected via HDMI cableSuperior AutoYesAnti Motion BlurYesAuto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYes (eight faces max)	Video Playback Options	Forward/Rewind (movie)
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Face DetectionOn, Off, Face Registration, Face Selection; maximum eight faces detectedSmile Shutter™ technologySmile shutter (selectable from 3 steps)Image StabilizationLens-based (where applicable)Intelligent AutoYesWI-FiYesx.v.Color™x.v.Color™ when connected via HDMI cableSuperior AutoYesTracking FocusYesAnti Motion BlurYesAuto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYes (eight faces max)	View Index	warning,4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2sec, Off), Image orientation (On/Off), Slideshow, Panorama
Smile Shutter™ technology Smile shutter (selectable from 3 steps) Image Stabilization Lens-based (where applicable) Intelligent Auto Yes Wi-Fi Yes x.v.Color™ x.v.Color™ when connected via HDMI cable Superior Auto Yes Anti Motion Blur Yes Auto High Dynamic Range Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off) Photo Creativity Yes (eight faces max)	Advanced Features	
Image StabilizationLens-based (where applicable)Intelligent AutoYesWi-FiYesX.v.Color™x.v.Color™ when connected via HDMI cableSuperior AutoYesTracking FocusYesAnti Motion BlurYesAuto High Dynamic RangeYes (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYes (eight faces max)	Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Intelligent Auto Yes Wi-Fi Yes x.v.Color™ x.v.Color™ when connected via HDMI cable Superior Auto Yes Tracking Focus Yes Anti Motion Blur Yes Auto High Dynamic Range Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off) Yes	Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Wi-FiYesxx.Color™x.v.Color™ when connected via HDMI cableSuperior AutoYesTracking FocusYesAnti Motion BlurYesAuto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYes (eight faces max)	Image Stabilization	Lens-based (where applicable)
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Superior Auto Yes Tracking Focus Yes Anti Motion Blur Yes Auto High Dynamic Range Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off) Photo Creativity Yes (eight faces max)	Wi-Fi	Yes
Tracking FocusYesAnti Motion BlurYesAuto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYesPriority Setting (for Face Detection)Yes (eight faces max)	x.v.Color™	x.v.Color™ when connected via HDMI cable
Anti Motion Blur Yes Auto High Dynamic Range Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off) Photo Creativity Yes Priority Setting (for Face Detection) Yes (eight faces max)	Superior Auto	Yes
Auto High Dynamic RangeYes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)Photo CreativityYesPriority Setting (for Face Detection)Yes (eight faces max)	Tracking Focus	Yes
Auto High Dynamic Range off) Photo Creativity Yes Priority Setting (for Face Detection) Yes (eight faces max)	Anti Motion Blur	Yes
Priority Setting (for Face Detection) Yes (eight faces max)	Auto High Dynamic Range	
	Photo Creativity	Yes
	Priority Setting (for Face Detection)	Yes (eight faces max)
snooting lips Yes	Shooting Tips	Yes
Sweep Panorama Horizontal (Wide/Standard), Vertical (Wide/Standard)	Sweep Panorama	Horizontal (Wide/Standard), Vertical (Wide/Standard)

Records in up to 29 minutes segments.
Statoching Sony A-mount lens requires LA-EA1 (note: Autofocus available with SSM and SAM series lenses when using LA-EA1) or LA-EA2 adaptors (sold separately).
Compatible with R8VAM[®] space or Theatres Sync[™] HDTVs connected via HDM[®].
Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
Requires compatible R8VAM[®] HDTV and contexted via HDM[®].
Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
Requires compatible R8VAM[®] HDTV and contexted via HDM[®].
Auto Focus function available with Sony E-Mount lenses and Sony A-mount SSM and SAM series lenses when using LA-EA1.