



LUMIX Digital Camera DC-TZ95

Metrics		Dimensions (W x H x D)	112.0 x 68.8 x 41.6 mm (4.41 x 2.71 x 1.64 inch)	
		Weight	Approx. 328 g with Battery and SD Memory Card (0.72 lb)	
		Weight	Approx. 286 g without Battery and SD Memory Card (0.63 lb)	
Optics	Pixels	Camera Effective Pixels	20.3 Megapixels	
	Sensor	Sensor Size / Total Pixels / Filter	1/2.3-inch High Sensitivity MOS Sensor / 21.1 Total Megapixels / Primary Color Filter	
	Lens	Aperture	F3.3 - 6.4 / Multistage Iris Diaphragm (F3.3 - 8.0 (W), F6.4 - 8.0 (T))	
		Optical Zoom	30x	
		Focal Length	f = 4.3 - 129mm	
		Focal Length	(24 - 720mm in 35mm equiv. in 4:3)	
		Focal Length	(25 - 750mm in 35mm equiv. in 3:2)	
		Focal Length	(26 - 780mm in 35mm equiv. in 16:9)	
		Focal Length	(28 - 840mm in 35mm equiv. in 1:1)	
		Focal Length	(35 - 1050mm in 35mm equiv. in 4K PHOTO recording)	
		Focal Length	(35 - 1050mm in 35mm equiv. in 4K video recording)	
		Focal Length	(26 - 780mm in 35mm equiv. in 16:9 video recording / O.I.S. Off / Level Shot function Off)	
		Focal Length	(28 - 840mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function Off)	
		Focal Length	(30 - 900mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function On)	
		Extra Optical Zoom (EZ)	41.8x (4:3 / 10M (M)), 59.2x (4:3 / 5M (S))	
		Intelligent Zoom	60x	
		Lens	LEICA DC VARIO-ELMAR	
Lens	12 elements in 9 groups			
Lens	(5 aspherical lenses / 10 aspherical surfaces)			
Optical Image Stabilizer	5-Axis HYBRID O.I.S. +*			

		Optical Image Stabilizer	*5-Axis compensation works in video recording except for 4K video or high-speed video recording.
		Digital Zoom	Max. 4x (When Digital Zoom is used simultaneously with Intelligent Zoom, you can only increase the zoom ratio up to 2x.)
Focus		Focusing Area	Normal: Wide 50 cm - infinity / Tele 200 cm - infinity
		Focusing Area	AF Macro / MF / Intelligent Auto / Motion Picture: Wide 3 cm - infinity / Tele 200 cm - infinity
		AF Assist Lamp	Yes (On / Off)
		Focus	AF / AF Macro / Macro Zoom * Each available with AFS (Single) / AFF (Flexible) / AFC (Continuous)
		Focus	Quick AF, Continuous AF (during motion picture recording), Touch AF/AE Function, Touch Shutter, Eye Sensor AF, Touch Pad AF, MF Assist, Touch MF Assist, AF+MF, Focus Peaking, One Shot AF (Set the Fn button in custom menu to AF-ON), Low Light AF
		Post Focus	Yes
		Focus Stacking	Yes
Shutter		Shutter Speed [Still Image]	Still Image:
		Shutter Speed [Still Image]	Approx. 4 - 1/2,000 sec (Mechanical Shutter)
		Shutter Speed [Still Image]	Approx. 1 - 1/16,000 sec (Electronic Shutter)
		Shutter Speed [Still Image]	Artistic Nightscape (Approx. 30 sec)
		Shutter Speed [Motion Picture]	Motion Picture:
		Shutter Speed [Motion Picture]	Approx. 1/25 - 1/16,000 sec
		Shutter Speed [Motion Picture]	Approx. 1/2 - 1/16,000 sec (Creative Video M Mode / MF Mode)
Recording	File	File Format	Still Image: JPEG (DCF/Exif2.31), RAW
		File Format	4K PHOTO: MP4
		File Format	Motion Picture: AVCHD Progressive, AVCHD (Audio format: Dolby Audio 2ch), MP4 (Audio format: AAC 2ch)
	Recording Modes	Recording Mode	Intelligent Auto, P, A, S, M, Creative Video, C (Custom), Panorama Shot, Scene Guide, Creative Control

Filter	Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome / Dynamic Monochrome / Rough Monochrome* / Silky Monochrome* / Impressive Art / High Dynamic / Cross Process / Toy Effect / Toy Pop / Bleach Bypass / Miniature Effect / Soft Focus* / Fantasy / Star Filter* / One Point Color / Sunshine* (22 filters) *For photos only.	
Scene Guide	Clear Portrait, Silky Skin, Backlit Softness, Clear in Backlight, Relaxing Tone, Sweet Child's Face, Distinct Scenery, Bright Blue Sky, Romantic Sunset Glow, Vivid Sunset Glow, Glistening Water*, Clear Nightscape, Cool Night Sky, Warm Glowing Nightscape, Artistic Nightscape, Glittering Illuminations*, Handheld Night Shot, Clear Night Portrait, Soft Image of a Flower*, Appetizing Food, Cute Dessert, Freeze Animal Motion, Clear Sports Shot, Monochrome *For photos only.	
Burst Shooting Mode (Approx.)	[AFS] H: 10 frames/sec, M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View)	
Burst Shooting Mode (Approx.)	[AFC] H: 5 frames/sec (with Live View), M: 5 frames/sec (with Live View), L: 2 frames/sec (with Live View)	
4K Photo Mode (*2)	4K Burst: 30 frames/sec, max. 15 min	
4K Photo Mode (*2)	4K Burst (S/S): 30 frames/sec, max. 15 min	
4K Photo Mode (*2)	4K Pre-Burst: 30 frames/sec, approx. 2 sec	
4K Photo Mode (*2)	Exif Information: Yes (Each JPEG image cropped out of the 4K burst file complies with EXIF.)	
4K Photo Mode (*2)	Auto Marking Function: Auto / Face Priority / Motion Priority (in 4K Burst mode and 4K Burst (S/S) mode)	
Motion Picture Recording (*2)	MP4	[4K]3840x2160 4K/30p: 100Mbps
	MP4	[4K]3840x2160 4K/25p: 100Mbps
	MP4	[FHD]1920x1080 FHD/60p: 28Mbps
	MP4	[FHD]1920x1080 FHD/50p: 28Mbps
	MP4	[FHD]1920x1080 FHD/30p: 20Mbps
	MP4	[FHD]1920x1080 FHD/25p: 20Mbps
	MP4	[HD]1280x720 HD/30p: 10Mbps
	MP4	[HD]1280x720 HD/25p: 10Mbps
	AVCHD	[FHD]1920x1080 FHD/50p: 28Mbps, 50p recording
	AVCHD	[FHD]1920x1080 FHD/50i: 17Mbps, 50i recording
	AVCHD	[FHD]1920x1080 FHD/25p: 24Mbps, 50i recording (sensor output is 25fps)
	High Speed Video(*2)	[HD]1280x720 HD/30p (Sensor Output is 120fps)

	MP4	
	High Speed Video(*2) MP4	[HD]1280x720 HD/25p (Sensor Output is 100fps)
	High Speed Video(*2) MP4	[VGA]640x480 VGA/30p (Sensor Output is 240fps)
	High Speed Video(*2) MP4	[VGA]640x480 VGA/25p (Sensor Output is 200fps)
Continuous Recordable Time (Motion Pictures) (*2)	MP4	4K/30p, 4K/25p: Approx. 90 min (rear monitor), 80 min (LVF)
	MP4	FHD/60p, FHD/50p: Approx. 100 min (rear monitor), 90 min (LVF)
	AVCHD	FHD/50p: Approx. 100 min (rear monitor), 90 min (LVF)
	AVCHD	FHD/50i: Approx. 100 min (rear monitor), 100 min (LVF)
Actual recordable Time (Motion Pictures) (*2)	MP4	4K/30p, 4K/25p: Approx. 45 min (rear monitor), 40 min (LVF)
	MP4	FHD/60p, FHD/50p: Approx. 50 min (rear monitor), 45 min (LVF)
	AVCHD	FHD/50p: Approx. 50 min (rear monitor), 45 min (LVF)
	AVCHD	FHD/50i: Approx. 50 min (rear monitor), 50 min (LVF)
Exposure Parameters	Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
	Exposure Compensation	1/3 EV step, +/-5 EV (+/-3 EV for motion picture / 4K PHOTO)
	Light Metering	Intelligent Multiple / Center Weighted / Spot
	ISO Sensitivity	Still Image: Auto / i.ISO / 80 / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 (Extended ISO)
	ISO Sensitivity	Motion Picture: Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200
	ISO Sensitivity	(Changeable to 1/3 EV step)
Picture Quality	Still Picture Recording	4:3 5184x3888 (20M) (L) / 3712x2784 (10M) (M) / 2624x1968 (5M) (S)
	Still Picture Recording	3:2 5184x3456 (17M) (L) / 3712x2480 (9M) (M) / 2624x1752 (4.5M) (S)
	Still Picture Recording	16:9 5184x2920 (14.5M) (L) / 3840x2160 (8M) (M) / 1920x1080 (2M) (S)
	Still Picture Recording	1:1 3888x3888 (14.5M) (L) / 2784x2784 (7.5M) (M) / 1968x1968 (3.5M) (S)
	Image Quality	RAW / RAW+Fine / RAW+Standard / Fine / Standard

	White Balance	AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1, 2, 3, 4 / Color Temperature Setting	
	White Balance	(2-axis adjustable)	
	Photo Style	Standard, Vivid, Natural, Monochrome, Scenery, Portrait, Custom	
	Picture Adjustment	Contrast, Sharpness, Noise Reduction, Saturation*, Color Tone**, Filter Effect**	
	Picture Adjustment	*Except for Monochrome mode. **For Monochrome mode only.	
Bracket	AE Bracket	3, 5, 7 images in 1/3, 2/3 or 1 EV step, Max. +/-3 EV	
	White Balance Bracket	3 images in blue/amber axis or in magenta/green axis	
Other	Digital Red Eye Correction (Red-Eye Removal)	Yes (On / Off)	
	Wi-Fi	IEEE 802.11b/g/n	
	Wi-Fi	2412 MHz - 2462 MHz (1-11 ch)	
	Wi-Fi	WPA / WPA2	
	Wi-Fi	Infrastructure Mode / WPS	
	Bluetooth	Bluetooth® v4.2 (Bluetooth Low Energy (BLE))	
	Self Timer	2 sec / 10 sec / 10 sec (3 images)	
Self Shot	Self Shot Mode	Yes (Single, Self timer: 1, 2, 3 or 4 images, 4K PHOTO, Panorama)	
	Shutter	Shutter Button, Touch, Face Shutter, Buddy Shutter	
	Effect	Soft Skin: 10 levels, Filter Select: Expressive / Retro / High Key / Monochrome / Toy Effect, Background Control: Defocus / Clear, Slimming Mode: 10 levels	
Playback	Display	Playback Mode	All, Picture Only, Video Only, Slideshow (All / Picture Only / Video Only, duration & effect is selectable), Calendar
		Thumbnails / Zoomed Playback	12,30-thumbnails / Yes
		Rating / Rotate Image / Protect	Yes / Yes / Yes
		Show Histogram/	Yes / Yes

		Show Highlights	
Edit	Retouch	Clear Retouch, Beauty Retouch	
	Image Composition	Light Composition, Sequence Composition	
	Creating a Motion Picture from Still Pictures	Time Lapse Video, Stop Motion Video	
	RAW Processing	Yes	
	Resize/Cropping	Yes / Yes	
	Title Edit / Text Stamp	Yes / Yes	
	Video Divide	Yes	
Setup	OSD language	Japanese, English, German, French, Italian, Spanish, Chinese (Traditional), Chinese (Simplified)	
Others	Finder	Viewfinder	0.21" LVF (Live View Finder) (2,330k dots equiv.), Field of View: Approx. 100%
		Viewfinder	Magnification: Approx.0.53x (35 mm camera equivalent)
	Monitor	LCD Monitor	3.0" (7.5cm) TFT Screen LCD Display (1040k dots), Tiltable monitor
		LCD Monitor	Static Touch Control
		LCD Monitor	Field of View: Approx. 100%, AF Coating
	Flash	Built-in-Flash	Auto*, Auto/Red-eye Reduction*, Forced On, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced Off *For iA, iA+ mode only.
		Built-in-Flash	0.6 - 5.6m (Wide / ISO Auto), 2.0 - 2.9m (Tele / ISO Auto)
	Media	Recording Media	SD Memory Card, SDHC Memory Card, SDXC Memory Card
		Recording Media	(Compatible with UHS-I UHS Speed Class 3 standard SDHC / SDXC Memory Cards)
	Audio	Microphone / Speaker	Stereo / Mono
	Interface	Interface	microHDMI typeD (*3), USB2.0 Micro-B
	Power	Power	Li-ion Battery Pack (7.2V, 1025mAh, 7.4 Wh) (Included)
Power		USB power charging	
Battery life (Approx.)		Approx. 380 images (rear monitor), 250 images (LVF), 340 images (LVF eco30fps setting) (*1)	

Standard Package	Included Software	<ul style="list-style-type: none"> The software to edit and playback images on computer is not bundled with this camera. To do this, PHOTOfunSTUDIO is available for download at Panasonic website using computer connected to the Internet.
	Included Software	http://panasonic.jp/support/global/cs/soft/download/d_pfs10ae.html (For Windows)
	Included Software	<ul style="list-style-type: none"> The software to process RAW file on computer is not bundled with this camera. To do this, SILKYPIX Developer Studio is available for download at Ichikawa Soft Laboratory's website using computer connected to the Internet.
	Included Software	http://www.isl.co.jp/SILKYPIX/english/p/ (For Windows / Mac)
	Standard Accessories	Battery Pack, AC Adaptor, USB Cable, Hand Strap
	Standard Accessories	<ul style="list-style-type: none"> Operating Instructions for advanced features is available for downloaded at Panasonic LUMIX Customer Support Site using PC, smartphone or tablet connected to the Internet.
NOTE		*1 Recording conditions by CIPA standard
NOTE		- Temperature: 23 °C (73.4 °F) / Humidity: 50%RH when monitor is on.
NOTE		- Using a Panasonic SDHC Memory Card
NOTE		- Using the supplied battery.
NOTE		- Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [ON].)
NOTE		- Recording once every 30 seconds with full flash every second recording.
NOTE		- Rotating the zoom lever from Tele to Wide or vice versa in every recording.
NOTE		- The number of recordable pictures varies depending on the recording interval time.
NOTE		- If the recording interval time becomes longer, the number of recordable pictures decreases.
NOTE		- CIPA is an abbreviation of [Camera & Imaging Products Association].
NOTE		*2
NOTE		- Use a card with SD Speed Class with ""Class 4"" or higher when recording motion pictures.
NOTE		- Use a card with SD Speed Class with ""UHS-I Speed Class 3 (U3)"" when recording motion pictures with [MP4] in [4K] or [4K PHOTO].
NOTE		(SD speed class is the speed standard regarding continuous writing.)
NOTE		- Recording stops when the continuous recording time exceeds 29 minutes and 59 seconds with [AVCHD].
NOTE		- Recording stops when the continuous recording time exceeds 15 minutes with [MP4] in [4K].
NOTE		- When using an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately.
NOTE		- When using an SDXC memory card: You can record a motion picture in a single file.

NOTE	- Recording stops when the continuous recording time exceeds 29 minutes and 59 seconds with [MP4] in [FHD] [HD] and [High Speed Video].
NOTE	You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately.
NOTE	- These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%RH.
NOTE	- The time available for recording varies depending on the environment, the interval between recordings, and the manner of use.
NOTE	- Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON] / [OFF], starting/stopping recording, zoom operation etc.
NOTE	*3 For [4K] video output, use an HDMI cable that has the HDMI logo on it, and that is described as "4K compatible".