

Fujifilm X-T50 Specification

Fujifilm X-T50

Model name			FUJIFILM X-T50
Lens Mount			FUJIFILM X mount
Image sensor			23.5mm x 15.7mm (APS-C) X-Trans
inage sensor			CMOS 5 HR with primary color filter
Number of effective pixels			40.2 millions pixels
Sensor Cleaning System			Ultra Sonic Vibration
Image Processing Engine			X-Processor 5
Storage media			SD Card (-2GB)
			SDHC Card (-32GB)
			SDXC Card (-2TB)
			UHS-I
			UHS-II
			Video Speed Class V90
			*Please see the Fujifilm website
			<pre>(https://fujifilm- x.com/support/compatibility/cameras/) to check memory card compatibility.</pre>
File format of still image	DCF		Compliant with Design rule for Camera File system (DCF2.0)
	JPEG		Exif Ver.2.32
	HEIF		4:2:2 10bit
	RAW		14bit RAW (RAF original format)
	TIFF		8bit / 16bit RGB (In-camera Raw
			Conversion Only) *Exif 2.32 is a digital camera file format that contains a variety of shooting information for optimal printing
Number of recorded	[L]	4:3	6864 x 5152
pixels		3:2	7728 x 5152
		16:9	7728 x 4344
		1:1	5152 x 5152
		65:24	
		5:4	6432x5152
		7:6	
	[M]	4:3	4864 x 3648
		3:2	5472 x 3648
		16:9	5472 x 3080
		1:1	3648 x 3648
		65:24	
		5:4	4560x3648
		7:6	

	[S]	4:3	3456 x 2592
	[0]	3:2	3888 x 2592
		16:9	3888 x 2184
			2592 x 2592
		1:1	2592 X 2592
		65:24	
		5:4	3264x2592
		7:6	
Panorama	[L]	vertical	9600 x 2160
		Horizontal	9600 x 1440
	[M]	Vertical	6400 x 2160
		Horizontal	6400 x 1440
Lens	Туре		
	Focal length		
	Max. aperture		
	Lens configuration		
	ND filter		
Aperture			
Focus range			
Conversion lens			
Conversion lens			
Digital Tele- Converter			2.0x
			1.4x
			OFF
Sensitivity	Still Image	Standard Output	AUTO1
			AUTO2
			AUTO3
			ISO125~12800 (1/3 step)
		Extended Output	
			ISO64
			ISO80
			ISO100
			ISO25600
			ISO51200
	Movie	Standard Output	AUTO
			ISO125~12800 (1/3 step)
		Extended Output	ISO25600
Exposure control			TTL 256-zone metering
			Multi
			Spot
			Average
			Center Weighted
Exposure mode			P (Program AE)
			A (Aperture Priority AE)
			() postalo (liony / L)

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			S (Shutter Speed Priority AE)
			M (Manual Exposure)
Exposure	Still		-5.0EV~+5.0EV 1/3EV step
compensation	Movie		-2.0EV~+2.0EV 1/3EV step
lmage stabilizer	Mechanism Compensation Effect		Image sensor shift mechanism with 5-axis compensation 7.0 stops
	Compensation Effect		
			*based on CIPA standard
			*Pitch/yaw shake only
			*With XF35mmF1.4 R lens mounted
	Digital Image Stabilization		Yes (movie mode only)
	IS MODE BOOST		Yes (movie mode only)
Shutter type			Focal Plane Shutter
Shutter speed	Mechanical shutter	P mode	4sec. to 1/4000sec.
		A mode	30sec. to 1/4000sec.
		S/M mode	15min. to 1/4000sec.
		Bulb	up to 60min.
	Electronic shutter	P mode	30sec. to 1/180000sec.
		A mode	30sec. to 1/180000sec.
		S/M mode	15min. to 1/180000sec.
		Bulb	1sec. Fixed
	Electronic front curtain shutter	P mode	30sec. to 1/4000sec.
		A mode	30sec. to 1/4000sec.
		S/M mode	15min. to 1/4000sec.
		Bulb	up to 60min.
	Mechanical + Electronic shutter	P mode	30sec. to 1/180000sec.
		A mode	30sec. to 1/180000sec.
		S/M mode	15min. to 1/180000sec.
		Bulb	up to 60min.
			*Mechanical shutter works until 1/4000sec.
	E-front + Mechanical	P mode	30sec. to 1/4000sec.
	shutter (GFX: Electronic Front	A mode	30sec. to 1/4000sec.
	Curtain Shutter)	S/M mode	15min. to 1/4000sec.
		Bulb	up to 60min.
		Daily	*Electronic front curtain shutter works
			until 1/2000sec.
	E-front + Mechanical + Electronic shutter	P mode	30sec. to 1/180000sec.
	(GFX: E-Front +	A mode	30sec. to 1/180000sec.
	Electronic Shutter)		

		S/M mode	15min. to 1/180000sec.
		Bulb	up to 60min.
			*Electronic front curtain shutter works until 1/2000sec, Mechanical shutter works until 1/4000sec.
			*The Electronic Shutter may not be suitable for fast-moving objects or handheld shooting. Flash can not be used.
	Movie	8K/DCI8K	
		6.2K	1/4000sec. to 1/24 sec.
		5.8K	
		5.4K	
		4.8K	
		4.6K(ANAMOR)	
		4K/DCI4K	1/4000sec. to 1/4 sec.
		FHD	1/4000sec. to 1/4 sec.
			*Cannot choose slower shutter speed than framerate for some settings.
	Synchronized shutter speed for flash	Mechanical shutter	1/180sec. or slower
	opood for flacin	Electronic shutter	
Continuous shooting	CH	Electronic shutter	Approx. 20fps (1.29x Crop)
	No. of recordable frames	JPEG	168 frames
		Compressed RAW	66 frames
		Lossless compressed RAW	32 frames
		Uncompressed RAW	17 frames
		Compressed RAW + JPEG	21 frames
		Lossless compressed RAW + JPEG	20 frames
		Uncompressed RAW + JPEG	17 frames
	CH	Electronic shutter	Approx. 13fps (1.29x Crop)
	No. of recordable frames	JPEG	1000+ frames
		Compressed RAW	94 frames
		Lossless compressed RAW	25 frames
		Uncompressed RAW	21 frames
		Compressed RAW + JPEG	48 frames
		Lossless compressed RAW + JPEG	31 frames
		Uncompressed RAW + JPEG	19 frames
	CH	Electronic shutter	Approx. 10fps (1.29x Crop)
	No. of recordable frames	JPEG	1000+ frames
		Compressed RAW	536 frames
		Lossless compressed RAW	43 frames
		Uncompressed RAW	23 frames
		Compressed RAW + JPEG	61 frames
		Lossless compressed RAW + JPEG	37 frames
		Uncompressed RAW + JPEG	21 frames

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CH	Electronic shutter	Approx. 13fps

Continuous shooting	CH	Electronic abuttor	
Continuous shooting		Electronic shutter	Approx. 13fps
	No. of recordable frames	JPEG	163 frames
		Compressed RAW	46 frames
		Lossless compressed RAW	21 frames
		Uncompressed RAW	18 frames
		Compressed RAW+JPEG	24 frames
		Lossless compressed RAW+JPEG	20 frames
		Uncompressed RAW+JPEG	19 frames
	СН	Electronic shutter	Approx. 8.9fps
	No. of recordable frames	JPEG	1000+ frames
		Compressed RAW	68 frames
		Lossless compressed RAW	28 frames
		Uncompressed RAW	21 frames
		Compressed RAW+JPEG	36 frames
		Lossless compressed RAW+JPEG	23 frames
		Uncompressed RAW+JPEG	21 frames
	CH	Electronic shutter	
	No. of recordable frames	JPEG	
		Compressed RAW	
		Lossless compressed RAW	
		Uncompressed RAW	
		Compressed RAW+JPEG	
		Lossless compressed	
		RAW+JPEG Uncompressed RAW+JPEG	
	CH	Electronic shutter	
	No. of recordable frames	JPEG	
		Compressed RAW	
		Lossless compressed RAW	
		Uncompressed RAW	
		Compressed RAW+JPEG	
		Lossless compressed	
	 	RAW+JPEG Uncompressed RAW+JPEG	
	CH	Electronic Front Curtain Shutter	
	No. of recordable frames	JPEG	
		Compressed RAW	
		Lossless compressed RAW	
		Uncompressed RAW	
	CH	Mechanical shutter	Approx. 8.0fps
	No. of recordable frames	JPEG	1000+ frames
		Compressed RAW	79 frames
		Lossless compressed RAW	22 frames
		Uncompressed RAW	20 frames
		Compressed RAW+JPEG	30 frames
		Lossless compressed RAW+JPEG	21 frames
		Uncompressed RAW+JPEG	20 frames
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CH	Mechanical shutter	
No. of recordable frames	JPEG	
	Compressed RAW	
	Lossless compressed RAW	
	Uncompressed RAW	
	Compressed RAW+JPEG	
	Lossless compressed	
	RAW+JPEG Uncompressed RAW+JPEG	
CL	Mechanical shutter	Approx. 5.0fps
No. of recordable frames	JPEG	1000+ frames
140. Of feedfaable frames	Compressed RAW	1000+ frames
	Lossless compressed RAW	56 frames
	Uncompressed RAW	24 frames
	Compressed RAW+JPEG	81 frames
	Lossless compressed	27 frames
	RAW+JPEG	
	Uncompressed RAW+JPEG	21 frames
CL		Approx. 4.0fps
No. of recordable frames	JPEG	1000+ frames
	Compressed RAW	1000+ frames
	Lossless compressed RAW	1000+ frames
	Uncompressed RAW	29 frames
CL		Approx. 3.0fps
No. of recordable frames	JPEG	1000+ frames
	Compressed RAW	1000+ frames
	Lossless compressed RAW	1000+ frames
	Uncompressed RAW	60 frames
CL		
No. of recordable frames	JPEG	
	Compressed RAW	
	Lossless compressed RAW	
	Uncompressed RAW	
Pre-shot	Electronic shutter, 1.25 x Crop	
No. of recordable frames	While half press	
	After full press	
	Total	
Pre-shot	Electronic shutter, 1.25 x Crop	
No. of recordable frames	While half press	
	After full press	
	Total	
Pre-shot	Electronic shutter, 1.25 x Crop	
No. of recordable frames	While half press	
	After full press	
	Total	
Pre-shot	Electronic shutter	Approx. 20fps (1.29x Crop)
No. of recordable frames	While half press	20 frames
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After full prope	10E from as
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		After full press	135 frames
		Total	155 frames
	Pre-shot	Electronic shutter	Approx. 13fps (1.29x Crop)
	No. of recordable frames	While half press	13 frames
		After full press	177 frames
		Total	190 frames
	Pre-shot	Electronic shutter	Approx. 10fps (1.29x Crop)
	No. of recordable frames	While half press	10 frames
		After full press	240 frames
		Total	250 frames
	Pre-shot	Electronic shutter	Approx. 13fps
	No. of recordable frames	While half press	13 frames
	140. Of federalise frames	After full press	177 frames
		Total	190 frames
	Pre-shot	Electronic shutter	190 Hames
	No. of recordable frames	While half press	
	ino, or recordable frames	After full press	
		Total	
			*D
			*Recordable frames depends on recording media
			*Speed of continuous shooting depends on shooting environment and
			shooting frames
Drive Mode	AE Bracketing		2 frames
			3 frames
			5 frames
			7 frames
			9 frames
			*by 1/3EV step, up to \pm 3EV steps
	Filmsimulation bracketing		Any 3 types of film simulation selectable
	Dynamic Range Bracketing		100%
	Didonosing		200%
			400%
	ISO sensitivity Bracketing		±1/3EV
			± 2/3EV
			±1EV
	White Balance Bracketing		±1
			±2
			±3
	Focus Bracketing		AUTO
			MANUAL
	Multiple Exposure		Yes (Max. 9 frames)
			Additive
			Average
			Bright
1			3

			Dorle
	LIDD M. I		Dark
_	HDR Mode		AUTO
1			200%
			400%
]			800%
			800% +
	Advanced filter		Toy camera
			Miniature
			Pop color
			High-key
			Low-key
			Dynamic tone
			Soft focus
			Partial color (Red / Orange / Yellow /
	Pixel Shift Multi Shot	HIGH RESOLUTION +	Green / Blue / Purple)
		ACCURATE COLOR ACCURATE COLOR	
Foous	Mode	ACCURATE COLOR	Single AF
Focus	Mode		
			Continuous AF
			MF
	Туре		Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF)
	Low-light Performance	Contrast	-4.0EV
			XF50mmF1.0 attached
		Phase Detection	-7.0EV
			XF50mmF1.0 attached
	AF frame selection	Single point AF	13x9 / 25x17 (Changeable size of AF
		Zone AF	frame) 3x3 / 5x5 / 7x7 / Custom1-3 from 117
			areas on 13×9 grid
		Wide/Tracking AF	Yes (AF-S: Wide / AF-C: Tracking)
		All	Yes
	Face/eye detection		Yes
	Subject detection		Yes (Animal/Bird/Automobile/Motorcycle&Bike/Airplane/Train)
Flash	Built-in flash		Manual pop-up flash (Super Intelligent
		Guide Number	Flash) approx. 3.9 (ISO100 • m)
		Effective range(ISO1600)	, ,
		Sync. Mode	1st Curtain
		<u> </u>	2nd Curtain
		Flash Mode	TTL (TTL AUTO / STANDARD / SLOW
			SYNC.)
			MANUAL
			COMMANDER
			OFF
Flash	EF-X8	Guide Number	
		Sync. Mode	

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		Flash Mode	1110100
		1 lasti Mode	
	Shoe mount flash	Sync. Mode	1st Curtain
			2nd Curtain
			AUTO FP (HSS)
		Flash Mode	TTL (TTL AUTO / STANDARD / SLOW
			SYNC.) MANUAL
			MULTI *When EF-X500 is set
			OFF
	Synchronized terminal	Sync. Mode	
	Cynomonized terrima	Gyric. Wode	
		Flash Mode	
		Flash Wode	V (5 1) (1 T)
Hot shoe	21/2		Yes (Dedicated TTL Flash compatible)
Viewfinder (Hybrid viewfinder)	OVF		
		Coverage of Frame Area	
		v.s. Capturing Area Magnification	
Viewfinder	EVF	Magrimoation	0.39 inch OLED Color Viewfinder
Viewilidei	LVI		Approx. 2.36 million dots
		Coverage of Viewing Area	
		Coverage of Viewing Area vs. Capturing Area	Approx. 100%
		Eyepoint	Approx. 17.5mm (from the Rear End of
		Diopter Adjustment	the Camera's Eyepiece) -4~+2m-1
		Magnification	0.62x with 50mm Lens (35mm
		Magrimoation	Equivalent) at infinity and Diopter set to
		Discoul Assistant Miss	-1.0m-1
		Diagonal Angle of View	approx. 31° (Horizontal angle of view: approx. 26°)
			Built-In Eye Sensor
LCD monitor			3.0 inch Tilt-Type Touch Screen Color
			LCD Monitor
	Aspect Ratio		3:2
	Dots		Approx. 1.84 million dots
Touch Screen Mode	Shooting Mode		Shooting
20.00.1 111000			AF
			Focus Area
			OFF
			Double Tap Setting (ON/OFF)
	Ì		Touch Function Setting (ON/OFF)
1			L Louish Zoom (ON/OFF)
			Touch Zoom (ON/OFF)
			EVF Touch Screen Area Setting
	Playback Mode		
	Playback Mode		EVF Touch Screen Area Setting
	Playback Mode		EVF Touch Screen Area Setting Swipe

Out LOD manita	1	1	
Sub LCD monitor			
	Aspect Ratio		
	Dots		
Rear sub monitor			
	Aspect Ratio		
	Dots		
Movie recording	File format	MOV	
3			
			HEVC/H.265, Linear PCM (Stereo
			sound 24bit / 48KHz sampling) MPEG-4 AVC/H.264, Linear PCM
			(Stereo sound 24bit / 48KHz sampling)
		MP4	MPEG-4 AVC/H.264, AAC
	Movie compression		All Intra
	'		Long GOP
			25.19 50.
	8K(17:9)	File size	
		Frame rate	
		Bitrate	
	8K(16:9)	File size	
	ok(16.9)		
		Frame rate	
		Bitrate	
	8K(2.76:1)	File size	
	5(= 5)	Frame rate	
		i iaine late	
		Dir.	
		Bitrate	

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0.01((0.0)		
6.2K(3:2)	File size	
	Frame rate	
	Bitrate	
	Dittate	
6.2K(16:9)	File size	6240 x 3510
, ,	Frame rate	29.97p
	Transcrate	
		25p
		24p
		23.98p
	Bitrate	
		360Mbps
		200Mbps
		100Mbps
		50Mbps
5.8K(2.35:1)	File size	
	Frame rate	
	Bitrate	
	Bittate	
5.4K(17:9)	File size	
	Frame rate	
 	Bitrate	
4.01/(2-2)	Filo pizo	
4.8K(3:2)	File size	
	Frame rate	
	Bitrate	
L	1	<u>l</u>

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4.8K(16:9)	File size	
	Frame rate	
	Bitrate	
	<u> </u>	
4.6K(1.38:1)	File size	
	Frame rate	
	Bitrate	
DCI4K HQ(17:9)	File size	4096 x 2160
	Frame rate	29.97p
		25p
		24p
		23.98p
	Bitrate	20.000
	Dittate	360Mbps
		200Mbps
		100Mbps
		50Mbps
4K HQ(16:9)	File size	3840 x 2160
	Frame rate	29.97p
		25p
		24p
		23.98p
	Bitrate	
		360Mbps
		200Mbps
		100Mbps
		50Mbps
DCI4K(17:9)	File size	4096 x 2160
JOHN (11.0)	Frame rate	59.94p
	i iailie iaie	
		50p
		29.97p
 		·

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		25p
		24p
		23.98p
	Bitrate	
		360Mbps
		200Mbps
		100Mbps
		50Mbps
	Recording time	
4K(16:9)	File size	3840 x 2160
	Frame rate	59.94p
		50p
		29.97p
		25p
		24p
		23.98p
	Dituata	23.90p
	Bitrate	
		OCOMb
		360Mbps
		200Mbps
		100Mbps
		50Mbps
	Recording time	
Full HD(17:9)	File size	2048 x 1080
	Frame rate	59.94p
		50p
		29.97p
		25p
		24p
		23.98p
	Bitrate	
		360Mbps
		200Mbps
		100Mbps
		50Mbps
	Recording time	
Full HD(16:9)	File size	1920 x 1080
1 411 112 (10.0)	Frame rate	59.94p
	i idilio idio	50p
		20.075
		29.97p
		25p

	Levi	
	Bitrate	
		360Mbps
		200Mbps
		100Mbps
		50Mbps
		Solvidos
	Recording time	
Full HD LP(17:9)	File size	
	Frame rate	
	Frame rate	
	Bitrate	
	Recording time	
F.JILIDI D/46.0\	File size	
Full HDLP(16:9)		
	Frame rate	
	Bitrate	
	Birate	
	Recording time	
DCI4K(17:9) High speed	File size	
rec.	From a rate	
	Frame rate	
	Bitrate	
	Recording time	
4K(16:9) High speed rec.	File size	
Titles of Tilgit speed lec.		
	Frame rate	
	Bitrate	

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 	Recording time	
Full HD(17:9) High speed rec.	File size	2048 x 1080
	Frame rate	240p
		200p
		120p
		100p
	Bitrate	
		360Mbps (recording)
		200Mbps (recording)
	Recording time	
	ŭ	
Full HD(16:9) High speed	File size	1920 x 1080
rec.	Frame rate	240p
		200p
		120p
		100p
	Bitrate	1000
	Diliale	000141 (
		360Mbps (recording)
		200Mbps (recording)
	Recording time	
HD(16:9)	File size	
	Frame rate	
	Bitrate	
	Recording time	
	<u> </u>	
		*5
		*For recording movies, use a SD memory card with UHS Speed Class 3 or higher.
		*For recording movies in 360Mbps, use
		a SD memory card with Video Speed Class 60 or higher.
		-

		*Selectable bitrate will be changed
		depends on the setting.
		*Recording time can become short depending on the temperature and/or shooting conditions
		shooting conditions
Scene Position		
mode		
Film simulation mode		20 modes
mode		PROVIA/Standard
		Velvia/Vivid
		ASTIA/Soft
		Classic Chrome
		REALA ACE
		PRO Neg.Hi
		PRO Neg.Std
		Classic Neg.
		Nostalgic Neg.
		ETERNA/Cinema
		ETERNA BLEACH BYPASS
		ACROS
		ACROS + Ye Filter ACROS + R Filter
		ACROS + G Filter
		Black & White
		Black & White + Ye Filter
		Black & White + R Filter
		Black & White + G Filter
		Sepia
Monochromatic		Yes
Color B & W ADJ.		+
(Warm/Cool)		0770000
Grain Effect	Roughness	STRONG, WEAK, OFF
	Size	LARGE, SMALL

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	STRONG WEAK OF

Color Chrome Effect		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	STRONG, WEAK, OFF
Color chrome Blue			STRONG, WEAK, OFF
Smooth Skin Effect			STRONG, WEAK, OFF
Dynamic range	Still		AUTO / 100% / 200% / 400%
setting			
		ISO restriction	DR100%: No limit, DR200%: ISO250 or more, DR400%: ISO500 or more
	Movie		100% / 200% / 400%
		ISO restriction	DR100%: No limit、DR200%: ISO250 or more、DR400%: ISO500 or more
White balance	Auto		White Priority
			Auto
			Ambience Priority
	Custom		Custom1 - 3
	Color temperature		2500K~10000K
	selection Preset		Daylight
	1 10001		Shade
			Fluorescent Light-1
			Fluorescent Light-2
			Fluorescent Light-3
			Incandescent Light
			Underwater
Clarity setting			\pm 5 steps
Self-timer	Still		10sec.
			2sec.
	Movie		10sec.
			5sec.
			3sec.
Interval timer shooting			Yes (Setting : Interval, Number of shots, Starting time, Interval timer shooting exposure smoothing, Interval priority mode)
Wireless transmitter	Standard		IEEE802.11a/b/g/n/ac (standard wireless protocol)
	Encryption		WPA/WPA2 mixed mode, WPA3
	Access mode		Infrastructure
Bluetooth®	Standartd		Bluetooth Ver. 4.2 (Bluetooth low energy)
	Operating frequency (Cente	er frequency)	2402~2480MHz
Terminal	Digital interface		USB Type-C (USB3.2 Gen2x1)
	HDMI output		HDMI Micro connector (Type D)
	LAN Terminal		
	Others		Ø3.5mm, stereo mini connector (Microphone)
			Hot shoe
Power supply			NP-W126S Li-ion battery (included)
			Triboo Erion battory (moradod)

	Battery life for still images	Economy Mode	Approx. 390 frames
		Normal Mode	Approx. 305 frames
			*When XF35mmF1.4 R is set
	Actual battery life of	8K	
	movie capture	6.2K	Approx. 45min. (29.97p)
		4K	Approx. 45min. (59.94p)
		Full HD	Approx. 45min. (59.94p)、Approx.
			50min. (120P)
			*Face detection is set to OFF
	Continuance battery life	8K	. 400 400000000000000000000000000000000
	of movie capture		70 : (20 07)
		6.2K	Approx. 70min. (29.97p)
		4K Full HD	Approx. 70min. (59.94p)
		rull MD	Approx. 80min. (59.94p)
			*Face detection is set to OFF
			*Approximate number of frames or
			movie recording time that can be taken with a fully-charged based on CIPA
			Standard.
Dimensions		Width	123.8mm
		Height	84mm
		Depth	48.8mm
		(Minimum Depth)	(34.2mm)
	Excluding EVF	Width	
		Height	
		Depth	
		(Minimum Depth)	
Weight	including battery and memory card		Approx. 438g
On anotice	excluding battery and memory card Operating Temperature		Approx. 389g
Operation Environment			0°C ~ +40°C
	Operating Humidity		10%~80% (no condensation)
Starting up period			Approx. 0.5sec.
Accessories included			
moradea			Li-ion battery NP-W126S
			USB cable
			Headphone adapter
			Shoulder strap
			Body cap

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