TG-630

- Waterproof to 5m**, shockproof to 1.5m*** and freezeproof to -10°C
- 10x with Super-Resolution Zoom
- 12 Megapixel backlit CMOS
- 7.6cm/3.0" 460,000 dot HyperCrystal III LCD

- 5x wide optical zoom (28-140mm*)
- iHS Technology
- TruePic VI image processor
- Dual Image Stabilisation

Rugged design for outdoor fun

The affordable TG-630 combines trademark TOUGH imaging power with child, water, shock and freezeproofing. Like every next-generation TOUGH camera, it boasts iHS technologies – a high-sensitivity 12-Megapixel backlit CMOS sensor and high-speed TruePic VI image processor – giving you the power to record beautiful 1080 Full HD movies. Or high-speed movies up to 240 frames per second that you can play back later in super-slow motion. Whichever format you choose, the results are just as impressive as the toughness statistics, especially when you shoot in poor light. A high-grade wide 5x optical zoom lens gives you the flexibility to capture all sorts of shots – from broad panoramas to close-ups. With Super-resolution Zoom, you can even double the magnification to 10x with no loss of that radiant image quality. Showing off great stills and videos is half the fun and the TG-630 makes this easy, too. You can play with 11 Magic Filters to add special effects and post the results online using a wireless FlashAir™ card with your smartphone interface.
Beautiful, playful and reliable – what's not to love?

Specifications

Image Sensor

Effective pixels	12 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	12.7 Megapixels
Type	1/2.3'' CMOS

Lens

Optical zoom	5x (WIDE)
Focal length	5.0 - 25.0mm
Focal length (equiv. 35mm)	28 - 140mm
Structure	11 lenses / 8 groups
Aspherical glass elements	4
ED glass elements	1
Maximum aperture	3.9 - 5.9

Digital Zoom

Enlargement factor	4x / 20x combined with optical zoom
Super Resolution Zoom	2x / 10x combined with optical zoom

Monitor

Monitor type	HyperCrystal III LCD
Monitor size	7.6cm / 3.0'' (3:2)
Resolution	460000 dots
Brightness adjustment	+/- 2 levels
Frame assistance	Yes
Protection panel	Yes

Focusing System

Method	TTL iESP auto focus with contrast detection
Modes	iESP Face Detection AF Spot AF Tracking
Standard mode	0.2m - (wide) / 0.5m - (tele)
Super Macro Mode	Closest focusing distance: 3cm
AF lock	Yes
AF illuminator	Yes

Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer

Light Metering

Histogram in shooting mode	Yes
Modes	ESP light metering
	Spot metering

Exposure System

Shutter speed	1/4 - 1/2000s / < 4s (Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabiliser (Sensor shift)
	Advanced Face Detection Technology
	Shadow Adjustment Technology
	-
Modes	i-Auto
	Programme automatic
	Beauty
	Super Macro
	Scene Modes
	Magic Filter
	Panorama
	Movie

Scene Modes

Number of scene modes	17
Modes	Portrait
	Landscape
	Hand-held Starlight
	Night Scene
	Night Scene with portrait
	Sports
	Indoor
	Self-portrait

Magic Filter

Types	Pop Art
	Pin Hole
	Fisheye
	Soft Focus
	Punk
	Sparkle
	Water colour
	Reflection

Sensitivity

Auto	AUTO / High AUTO
Manual	ISO 100, 200, 400, 800, 1600, 3200, 6400

White Balance

AUTO WB system	Yes
Preset values	Overcast
	Sunlight
	Tungsten
	Flourescent 1
	Underwater
One-touch white balance	1 custom settings can be registered

Internal Flash

Working range (wide)	0.2 - 3.5m (ISO 1600)
Working range (tele)	0.5 - 2.5m (ISO 1600)
Modes	AUTO
	Red-eye reduction
	Fill-in
	Off
	LED

Sequence Shooting

Sequential shooting mode (high speed)	60fps / 100 frames (in 3MP mode)
	15fps / 100 frames (in 3MP mode)
Sequential shooting mode	5fps / 25 frames (Full Image Size)

Image Processing

Pixel mapping	Yes
Noise reduction	Yes
Engine	TruePic VI
Distortion compensation	Yes
Shading compensation	Yes

Image Editing

Resize	Yes
Trimming	Yes
Correction of saturation	Yes
Beauty Fix	Yes
Red-eye reduction	Yes
Shadow Adjustment	Yes

View Images

Modes	Single
	Index
	Zoom
	Slide show
	Event
Index	5 x 4 frames
Zoom	Yes 1.1 - 10x
Image protect mode	Yes
Histogram in playback mode	Yes

View Movie

Modes	Frame by frame
	Fast forward
	Reverse playback

Still Image Recording

DCF	Yes
EXIF	2.3
PIM	III
DPS	PictBridge
DPOF	Yes

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264)
Image Stabilisation Mode	Multi-motion Movie IS
HD Movie quality	1080P Recording time: 29min.
	720P Recording time: 29min.
Movie quality	VGA Recording time: Up to card capacity
	QVGA Recording time: Up to card capacity
High-Speed Recording	QVGA / 240fps Recording time:
	VGA Recording time: 20sec.
	Note: maximum file size 4GB
	When shooting 1080P/720P movies, use SDHC / SDXC class 6 or higher.
Magic Filter	Pop Art
	Pin Hole
	Fisheye
	Soft Focus
	Punk
	Water colour
	Reflection
	Miniature

Sound Recording System

Voice playback	Yes
Sound recording	Yes , format: PCM
Internal microphone	Yes
Image footage	4s
Speaker	Yes

Memory

Removable Media	SD / SDHC / SDXC
Eye-Fi Card compatible	Yes
Internal memory	57MB

Image Size

12M	3968 x 2976
8M	3264 x 2448
3M	2048 x 1536
VGA	640 x 480
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1

Menu

Menu languages in camera	39

Other Features

Shock resistant	Shock-proof from heights of up to 1.5m *
SNS upload	Yes
Waterproof	Waterproof up to a water pressure equivalent to 5m depth **
Freezeproof	Freezeproof up to -10°C ***
Perfect Shot Preview	Yes
Panorama function	In-Camera Panorama
Self timer	2 / 12s Pet auto shutter
Menu guide	Yes
Date imprint	Yes
LED Illuminator	Yes
	* Equivalent to MIL Standard (Olympus test conditions)
	** According to IEC standard publication 529 IPX8
	*** According to Olympus test conditions

Power Supply

Battery	LI-50B Lithium-Ion Battery
Internal Charging	Yes

Interface

HDMI™	Yes Micro connector (Type D) *
DC input	Yes
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.

Size

Dimensions (W x H x D)	98.4 x 65.9 x 21.9mm
Weight	167g (including battery and memory card)

*Equivalent to a 35mm camera
**According to IEC standard publication 529 IPX8
***Equivalent to MIL Standard (Olympus test conditions)