

# TG-5

- Waterproof to 15m\*\*, shockproof to 2.1m\*\*\*, crushproof to 100kg\*\*\*\* and freezeproof to -10°C
- Super-bright 1:2.0-4.9 wide-aperture high-speed lens for shooting with fast shutter speeds
- TruePic VIII image processor for 4K resolution and full-HD sized, 120fps slow-motion movies
- Variable Macro System (Microscope, Microscope Control, Focus Bracketing, Focus Stacking Mode)
- 12 Megapixel backlit CMOS sensor for excellent image quality with high ISO values in low light
- 4x optical zoom (25-100mm\*) for wide-angle shots
- Field Sensor System (GPS, compass, manometer, temperature sensor)
- Built-in WiFi and OI.Share app compatibility for remote control and sharing via smartphone



## Harshest conditions. Exceptional shots.

When you are looking for the ultimate tough, go-anywhere camera to capture the highlights of your latest adventure, the best-in-class just got better. The OLYMPUS Tough! TG-5 is the latest flagship Tough! camera and it comes with some serious enhancements. The class leading super bright 25-100mm\* 1:2.0 lens is married to an all new sensor, which combined with the latest TruePic VIII image processor taken from the Olympus Pro flagship system camera OM-D E-M1 Mark II deliver significant improvements in speed and still image quality in all conditions, while video now boasts 4K and 120fps Full HD high-speed movies for better slow motion quality. Added to this and the legendary tough performance are new easy to access controls and dual pane anti-fog glass. For spectacular nature shots, the TG-5 has an advanced, four-mode Variable Macro system, with Microscope, Microscope Control, Focus Bracketing and Focus Stacking Mode. The latter works without software, which is unique in this camera category. To maximise realism and colours and minimise noise, the TG-5 also supports RAW files. As Tough!'s tend to be used when the elements are at their harshest, this matters, so for all those who want to share spectacular evidence of their exploits this summer: Look no further than the new Tough! TG-5.

## Specifications

### Image Sensor

Effective pixels	12 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	12.7 Megapixels
Type	1/2.33" CMOS

### Lens

Optical zoom	4x (WIDE)
Focal length	4.5 - 18.0mm
Focal length (equiv. 35mm)	25 - 100mm
Structure	9 lenses / 7 groups
Aspherical glass elements	4
Maximum aperture	2.0 - 4.9
Filter diameter	40.5mm

### Monitor

Monitor type	LCD
Monitor size	7.6cm / 3" (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 AREA AF Tracking
Selective Target	Yes
Standard mode	0.1m - ∞ (wide) / 0.1m - ∞ (tele)
Super Macro Mode	Closest focusing distance: 1cm
Microscope Mode	Zoom capability while being in Super Macro Mode
AF lock	Yes
AF illuminator	Yes

## Light Metering

Histogram in shooting mode	Yes
Modes	ESP light metering Spot metering

## Exposure System

Shutter speed	1/2 - 1/2000s / < 4s (Night scene)
Exposure compensation	+/- 2 EV / 1/3 steps
Enhancement function	Mechanical Image Stabiliser (Sensor shift) Advanced Face Detection Technology Shadow Adjustment Technology
Modes	i-Auto Programme automatic Aperture priority Custom shooting Underwater Microscope Scene Modes Art Filter Movie

## Scene Modes

Number of scene modes	16
Modes	Portrait e-Portrait Landscape Landscape with Portrait Hand-held Starlight Night Scene Night Scene with portrait Children Sports Candle Sunset Fireworks Beach and Snow Panorama Live Composite Backlight HDR

## Art Filter

Modes	Pop Art Soft Focus Pale & Light Colour Light Tone Grainy Film Pin Hole Diorama Cross Process Gentle Sepia Dramatic Tone Key Line Water colour Vintage Partial Colour*
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## Sensitivity

Auto	AUTO / High AUTO
Manual	ISO 100 - 12800

## White Balance

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

## Internal Flash

Modes	AUTO
	Red-eye reduction
	Fill-in
	Off
Working range (wide)	0.2 - 7.9m (ISO 1600)
Working range (tele)	0.2 - 3.1m (ISO 1600)
Flash compensation	Yes

## External Flash Control

Wireless flash control	-
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## Sequence Shooting

Interval shooting	Yes
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## Image Processing

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

## View Images

Modes	Single
	Index
	Zoom
	Slide show
	Event
Index	5 x 4 frames
Zoom	Yes; 1.1 - 10x
Auto rotation	Yes
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	Digital Image Stabilisation
4K Movie quality	3840 x 2160 (4k) / 30p, 25p (approx. 102Mbps)
HD Movie quality	1080P Recording time: 29min.
	720P Recording time: 29min.
	Speed Class 10 SD card is recommended for shooting movies. UHS-I Speed Class 3 SD card must be used for 4K video and high speed movie.

## Movie Specialties

High-Speed Recording	640 x 360 (SD) / 480fps
	720P / 240fps
	1080P / 120fps
Time lapse	720p (AVI Motion JPEG®)
Art Filter	Pop Art
	Soft Focus
	Pale & Light Colour
	Light Tone
	Grainy Film
	Pin Hole
	Diorama
	Cross Process
	Gentle Sepia
	Dramatic Tone
	Key Line
	Water colour
	Vintage
	Partial Colour*

## Sound Recording System

Voice Playback	Yes
Sound recording	Yes; PCM
Internal microphone	Stereo
Image footage	4s
Speaker	Yes

## Memory

Removable Media	SD / SDHC / SDXC (UHS-I class supported)
Eye-Fi Card compatible	Yes

## Image Size

RAW	Yes
16M	4608 x 3456
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
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## Tough Features

Shock resistant	Shockproof from heights of up to 2.1m *
Waterproof	Waterproof up to a water pressure equivalent to 15m depth **
Anti-fog	Dual pane glass
Freezeproof	Freezeproof down to -10°C ***
Crushproof	Crushproof up to 100kg ****
Dustproof	Yes
	* Equivalent to MIL Standard (Olympus test conditions)
	** According to IEC standard publication 529 IPX8
	*** According to Olympus test conditions
	**** According to IEC standard publication 529 IPX6

## Other Features

GPS	Yes
Electronic compass	Yes
Manometer	Yes
Thermometer	Yes
Level Gauge	Yes
SNS upload	Yes
Perfect Shot Preview	Yes
Panorama function	In-Camera Panorama
Self timer	Delay: 2 / 12s / Custom
Menu guide	Yes
Date imprint	Yes
LED Illuminator	Yes

## Customisation Options

My Mode	2 settings storable
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## Power Supply

Battery	LI-92B Lithium-Ion Battery
Internal Charging	Yes

## Interface

HDMI™	Yes; Micro connector (Type D) *
Wireless connectivity	WiFi Eye-Fi Card compatible FlashAir
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.

## Dimensions

Width	113mm
Height	66mm
Depth	31.9mm (without protrusions)

\*Equivalent to a 35mm camera

\*\*According to IEC standard publication 529 IPX8

\*\*\*Equivalent to MIL Standard (Olympus test conditions)

\*\*\*\*According to Olympus test conditions