Prepared by:

JISC Regional Support Centre West Midlands
Technology Centre
Wolverhampton Science Park
Glaisher Drive
Wolverhampton
WV10 9RU

# Learning Technologies Information Sheet
# 1. Lumix TZ3 Digital Camera

## What is it?

The Panasonic DMC TZ3 is a super zoom digital/video camera sporting a wide angle lens and 3 inch polycrystalline TFT display. The DMC TZ3 does not offer a range of really advanced features such as manual exposure controls however this makes it attractive to someone who would like a longer lens, but would still like the simplicity of a point and shoot digital camera. The DMC TZ3 is equipped with a 7.2 megapixel sensor, a 28 - 280 mm zoom lens which can be enhanced using the x10 optical and digital 4x zoom functions. The DMC TZ3 also comes equipped with 20 default scene modes including Macro and Portrait. Video output for this device is up to 840 x 480 pixels (WVGA) @ 30 fps and is saved in a QuickTime Motion JPEG format. The DMC TZ3 requires a Lithium Li-Ion Battery which will last up to 270 Images. To accommodate the storage of your data the DMC TZ3 requires a SD Card Compression Type: JPEG DPOF EXIF 2.21.

## Potential uses for Teaching and Learning:

Ideal for gathering photographic or basic video footage for the purposes of providing course related evidence, for example self evaluation/formal evaluation i.e. the demonstration of newly acquired skills. This is a user friendly device ideal for capturing content suitable for teaching resources. This device provides video content of a suitable quality to use post onto your VLE, Intranet or external social networking site, however the quality of the video will degrade if resize.

It is important to point out that the Lumix TZ3 will not provide high end video footage for media rich assignments due to the limited specifications of this device.

## Pros and Cons

### Pros

- Robust design.
- High Quality optics.
- High resolution output.
- Image stabilisation.
- Video and stills captures with one device.
- The ability to pause and replay video content on the device (ideal for immediate review).

### Cons

- Audio quality is easily affected by ambient noise pollution.
- Menu navigation can be frustrating at first.