

**Specifications**  
**CAMEDIA E-20P**

Model name:	<b>Olympus CAMEDIA E-20P</b>
Product type:	Digital SLR camera with 4.5 cm/1.8 inch colour TFT LCD monitor.
Effective pixel number:	4.95 million pixels. (Approx. 2.5 million pixels in progressive scan mode.) (The actual number of pixels used in image processing.)
Memory:	3V (3.3V) SmartMedia (SSFDC) card (4, 8, 16, 32, 64 and 128 MB). One 16 MB SmartMedia card is supplied with camera. CompactFlash Type I/II (up to 1 GB possible with Flash Memory Microdrive*).
Recording system:	Still image: JPEG (DCF: "Design rule for Camera File system"), TIFF (non-compress), DPOF support, RAW data (Camera ships with Photoshop plug-in for RAW mode).
Image size:	2,560 X 1,920 (RAW, TIFF, SHQ, HQ, SQ) 1,792 X 1,344 (SHQ, HQ, SQ) 1,280 X 960 (SHQ, HQ, SQ) 1,024 X 768 (SHQ, HQ, SQ) 640 X 480 (SHQ, HQ, SQ)
Number of storable pictures with 16 MB SmartMedia card:	Approx. 1: RAW 2,560 X 1,920 Approx. 1: TIFF 2,560 X 1,920 Approx. 4: SHQ 2,560 X 1,920 Approx. 10: HQ 2,560 X 1,920 Approx. 52: HQ 1,280 X 960
Image pickup element:	2/3 inch CCD solid-state image pickup 5.24 million pixels. RGB interlaced scan.
White balance:	Full-auto TTL, pre-set manual (3000, 3700, 4000, 4500, 5500, 6500 and 7500 °K) "one touch" manual.
Lens:	Olympus 4x zoom lens, 9 – 36 mm F2.0-2.4, all glass zoom lens with one ED and two aspherical lens elements (14 elements in 11 groups). (Equivalent to 35 – 140 mm lens on 35 mm camera). Optional 0.8x (wide) 1.45x, 3x (telephoto) and macro extension lenses.
Filter size:	62 mm.
Light metering system:	Digital "ESP" multi-pattern metering system, centre-weighted average metering and spot metering.
Exposure control:	Programmed auto exposure. +/- 3EV by 1/3EV steps exposure compensation. AE lock possible. Auto bracketing: selectable from 1/3EV, 2/3EV and 1EV; 3 images. Aperture priority: Wide: F2.0 – 11.0; Tele: F2.4 – 11.0, 1/3EV steps. Shutter priority: Interlace Scan mode: 2 - 1/640 sec. (used with mechanical shutter), 1/3EV steps. Progressive Scan mode: 2 – 1/4,000, 1/18,000 sec. Manual exposure: Shutter speed; bulb (up to 8 min), 60 sec. – 1/640 sec. (Interlace Scan) Shutter speed; bulb (up to 8 min), 60 sec. – 1/4,000, 1/18,000 sec. (Progressive Scan mode) (1/18,000 sec. shutter speed in Progressive Scan mode is possible in Manual and Shutter priority exposure mode)
ISO:	Auto, user selectable (80, 160, 320 equivalent ISO).

Focusing: Dual AF active and passive TTL system autofocus (contrast detection system) with focusing range: 0.2 m – infinity (step-less).  
Manual focus (setting by gauge) with focusing range: 0.2 m – infinity (step-less).

Working range: Standard mode: 0.6 m – infinity;  
Macro mode: 0.2 – 0.6 m.

Viewfinder: Optical SLR viewfinder with 95% viewing field. (Full Information/Mode/Aperture/Shutter Speed/Metering/+/-/AF/Flash/AE lock/WB.)  
Focusing screen (shows focus).

LCD monitor: 4.5 cm/1.8 inch wider angle colour TFT LCD monitor with 118,000 pixels  
(made from low-temperature poly-silicon), brightness adjustment is possible.  
LCD can be tilted down 20 and up 90 degrees (click stops).

Flash guide number: Approx. 13 (ISO 80).

Flash modes: Built-in Flash:  
Auto (low-& back-light), Red-eye Reducing flash, Off, Fill-in.  
External terminal: (hot-shoe): FL-40 control available.  
(x-synchronisation): ON  
Slow synchronisation (First-curtain / second-curtain synchronisation effect).

Flash working range: Wide: 0.6 – 8.9 m (auto ISO).  
Tele: 0.5 – 7.4 m (auto ISO).

Shutter release time lag: Approx. 60 msec.

Battery charging time for flash: Less than 7 sec. (at normal temperature with new battery).

Sequence mode: Interlace Scan (IS) mode: Approx. 2.5 frames per sec. up to 4 frames (up to 3 frames in RAW data mode),  
Progressive Scan (PS) mode: Approx. 4.5 frames per sec. up to 7 frames.

Quick shooting: Approx. 1 sec. shot to shot or faster at all times up to 4 frames (IS), 7 frames (PS)

Self-timer/remote controller: 12 sec. delay / 2 sec. after optional remote controller operation.

Setting memorisation: Possible.

Outer connector: DC input terminal, USB AutoConnect interface (Storage Class).  
Video output terminal (PAL), external flash terminal for FL-40 (shoe type connector), x synchronisation socket, remote controller jack.

Operating environment: Temperature: 0 – 40° C (operation), -20 – 60° C (storage).  
Humidity: 30 – 90% (operation), 10 – 90% (storage).

Power supply: Main power source: 2 x lithium battery CR-V3 / LiPo battery with optional grip / 4 x AA Ni-MH batteries / 4 x AA Ni-Cd batteries / optional AC adapter.  
(Zinc carbon (manganese) and AA lithium batteries cannot be used.)

Date/Time/Calendar: Simultaneous recording onto image data.

Automatic calendar system: Up to year 2030.

Dimensions: 128.5 (W) x 103.5 (H) x 161 (D) mm (excluding projections).

Weight: 1050 g (without lens cap, batteries and storage media).