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## Technical Highspeed Camera PCE-HSC 1660

### Highspeed camera PCE-HSC 1660

**up to 2420 pictures per second / ease of use / USB 3.0 / Software incl. /  
Plug and Play / Compact and Robust /**

The high speed camera PCE-HSC 1660 is suitable for simple slow motion recordings in industry and research. With the help of this camera the filming can take place with the refresh rate of 2420 images per second. This slow motion camera is distinguished by its compact design and ease of use. It is connected to the PC or laptop via USB 3.0. The supplied software recognizes the SloMo camera immediately and the recordings can be created immediately after the driver installation. A CMOS image sensor with a memory depth of 10 bits is used in the camera. Thus, the camera is capable of recording high-speed images with a resolution of 1280 x 1024 in black and white. The PCE-HSC 1660 can be mounted on a tripod thread. Mount is C-Thread with F=75 mm and f/2.8 lens. Optional lens available by special order.

- USB 3.0 connection
- 1.3 megapixel
- Maximum 2420 FPS
- 10-bit CMOS
- Plug and Play
- Controllable directly via PC
- Trigger port
- Threaded tripod connector

### Specifications slow motion camera PCE-HSC 1600

CMOS	1.3 Megapixel
Max. resolution	1280 x 1024
Max. recording rate	2420 FPS
Resolution / recording rate	1280 x 1024 / 210 FPS 1024 / 1024 / 260 FPS 1024 x 2768 / 346 FPS 640 x 480 / 825 FPS 512 x 512 / 950 FPS

	256 x 256 / 2420 FPS
Pixel depth	10 Bit CMOS
Pixel size	4.8 µm per pixel
Memory	via connected PC
Power supply	via USB 3.0 Port
Interface	USB 3.0
Trigger	External
Mount and Lens	C-Thread with F=75 mm and f/2.8
Housing material	Aluminium
Dimensions	80 x 74 x 40 mm
Weight	180 g (without lens)
Operating Conditions	0 ... 40 °C max 80 % r.F.
Storage conditions	-20 ... 60 °C max. 95 % r.F.

### **Specifications LED lighting of the slow motion camera PCE-HSC 1660**

Power	6 x 3 W LED
Filter	5800 K Frost filter 3200K Amber filter
Dimmer function	Yes
Power supply	mains power supply 100 ... 240 V AC output 12 V / 2 A
Battery pack	7.4 V @ 6000 mAh
Battery run-time	approx. 150 minutes

### **Delivery**

1 x slow motion camera PCE-HSC 1660, C-Thread with F=75 mm and f/2.8 lens, 1 x LED light, 1 x USB 3.0 cable, 1 x remote trigger mechanism, 1 x carrying case, 1 x software, 2 x mini tripod 1 x user manual