

Flexacam i5/c5 Microscope cameras

Technical data

Digital camera

Characteristics	Value
Weight (camera only)	
<ul style="list-style-type: none"> Flexacam c5 Flexacam i5 Stereo Flexacam i5 Compound 	0,40 kg 0.55 kg 0.75 kg
Live image on an HDMI monitor	at up to 60 fps (3,840 × 2,160 pixels)
Full-screen image capture	at 12 MP
Sensor diagonale	7.81 mm (type 1/2.3" CMOS)
Pixel size	1.55 μm × 1.55 μm
Input	5 V DC / 3 A
Power consumption	15 W
Supported software	Enersight
Color filter	IR-cut coating 650 nm, not replaceable
File formats	JPG, TIF, BMP, MJPG; for overlays also PNG
Sensor format	H: 4,000 V: 3,000 (12 MP)
Gain	0-42 dB
Bit depth / Color depth	8 bit

Electronic interfaces

Characteristics	Value
Compatibility	USB 3.0, standard USB Type-C
High-definition connector	HDMI 2.0a, HDMI plug Type-A
USB connectors:	
<ul style="list-style-type: none"> Flexacam c5 Flexacam i5 Stereo Flexacam i5 Compound 	4× USB 2 connectors, Type-A 4× USB 2 connectors, Type-A 2× USB 2 connectors, Type-A
ON / OFF button	1× (on rear side of the camera)
Multicolor status LED	1× (on rear side of the camera)
2.5 mm Jack connector (only Flexacam c5)	1× (for handswitch / footswitch)
Ethernet connector (only Flexacam c5)	RJ45

Ambient conditions

Characteristics	Value
Operating temperature	10 °C to 40 °C (50 °F to 104 °F)
Storage / Transport temperature	-10 °C to 50 °C (14 °F to 122 °F)
Relative humidity for storage / operation	10 % to 90 % (non condensing)
Pollution degree	2
Use	For indoor use only
Installation category	II (overvoltage category)
Altitude operation	0 m to 2,000 m (0 ft to 6,561 ft)

Multicolor status LED

Mode	Color	Description
Boot mode	Red	The camera is switched on.
	Green, blinking	The camera app is booting.
	Blue, blinking	The camera fallback is booting.
Application ready	Green, continuously	Sufficient power supply (3 A) or power supplied via USB 3 port
	Red, continuously	Insufficient power supply (<3 A), camera malfunction possible
	Orange, continuously	Power supplied via USB 2 port
PC mode	Green, continuously	The status LED is always green, regardless of the camera status.
Stand-alone mode	Orange during action	Acquire, Save Overlay, OnePush AE / WB, Comparison, E-Mail
	Orange blinking during action	Video recording, firmware update

Miscellaneous

Characteristics	Value
Power supply	Power supplied via USB from computer (PC mode) or by external power supply (stand-alone mode)
Min. computer configuration	Please consult the software used.

Power supply unit

Characteristics	Value
Manufacturer	Sinpro Electronics Co., Ltd., 18F, NO.80, Minzu 1st Rd., Sanmin District, Kaohsiung City 807, Taiwan
Model identification	SPU25A-102
Input voltage	90–264 V AC
Input frequency	47–63 Hz
Output voltage	5 V DC
Output current	max. 3.3 A
Output power	max. 16.5 W
Average active efficiency	82.5 %
Efficiency at high load (10 %)	79.5 %
No-load power consumption	0.014 W