

## FAST EnergyCam 2.0

### Datasheet



FAST EnergyCam 2.0 uses a camera and OCR (optical character recognition) technology to take regular meter readings and transmit the resulting data via a wired network\*.



### Applications

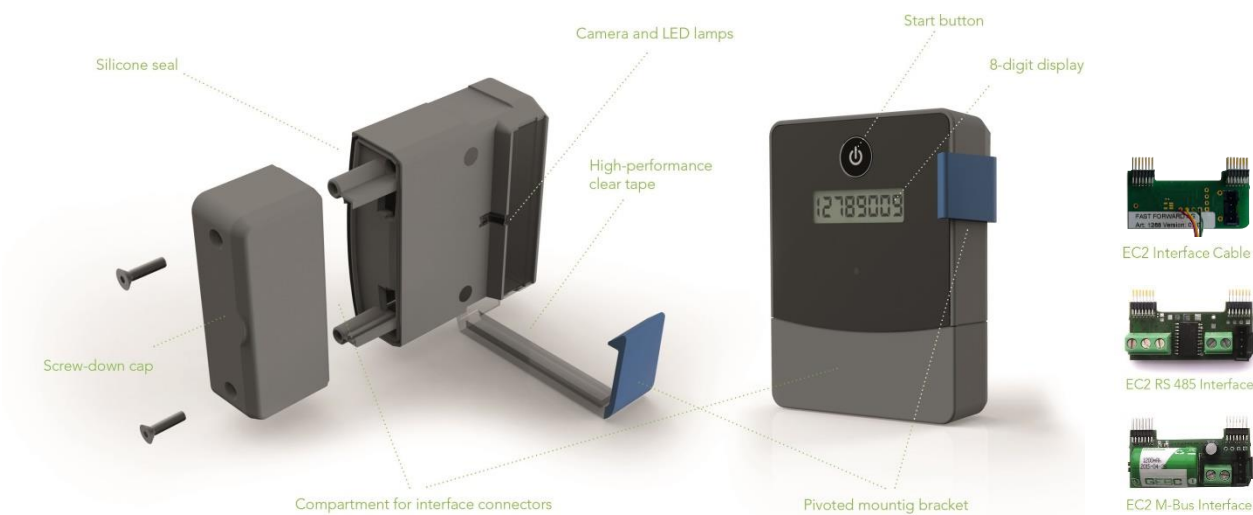
FAST EnergyCam 2.0 is the ideal device for taking automated readings from diaphragm type gas meters. It is aimed at energy suppliers, utility meter operators, commercial and industrial users, municipal property managers, and smart home system providers\*. Unobstructed view of source meter thanks to the unique pivoted mounting bracket and clear tape mount:



### Ordering information

- Art. Nr. 1203: EnergyCam 2.0
- Art. Nr. 1266: EC2 M-Bus Interface
- Art. Nr. 1264: EC2 RS 485 Interface
- Art. Nr. 1268: EC2 Interface Cable
- Art. Nr. 1263: EC2 USB Interface (for configuration)
- Art. Nr. 2135: 3M VHB spare cleaning cloth
- Art. Nr. 2153: 3M VHB spare adhesive pad 63 x 10.5 mm

\*Latest list of compatible gateways and supported meters: <http://www.fastforward.ag/eng/#downloads>



### Technical Specs

Data transfer			
Protocol	Modbus RTU or M-Bus		
Interfaces	Slide-in modules for: Art. Nr. 1266 EC2 M-Bus Interface, Art. Nr. 1264 EC2 RS 485 Interface, Art. Nr. 1268 EC2 Interface Cable		
Serial port	4-pin port on interface module; Art. Nr. 1263 EC2 USB Interface accessory available for configuration (ECWin software available for download)		
Electrical properties	M-Bus Interface	RS 485 Interface	Interface Cable
Power supply	From M-Bus (2 standard loads)	4.75 to 24 VDC	3.3 to 3.6 VDC
Power consumption	15-100 mA resp. 3µA closed current in power-down mode		
Operating Voltage	3.3 to 3.6 VDC		
Reading			
Optical sensor unit	Camera module with mirror lens and LED lamps for mechanical counters up to 60mm wide.		
Font	White digits on black or black digits on white; minimum digit height: 5 mm; up to 8 digits with up to 3 decimal places		
Accuracy	Meter reading recognition of supported meters with a probability of 99.6% at an accuracy of +/- 1 m³ resp. kWh		
Mounting			
Fixture	3M VHB 4905 bonding tape, 661 mm² bonding area, can be completely removed without leaving traces		
User Interfaces			
Display	8 digits 7-segment-LCD		
Operation	Button		
General			
Metering tech.	Non-reactive to the specific characteristics of the meter type		
Operating temperature	-10 to +50 °C		
Protection	IP 64		
Compliance	CE		
Material / housing	Polycarbonate, PMMA		
Dimensions	91 x 70 x 27.5 mm		
Weight	93g plus 18g (M-Bus Interface)	11 g (RS 485 Interface)	21 g (Interface Cable)