

CLARA
VISION

TroublePad

HIGH SPEED CAMERA

Process Analysis
Production Line Troubleshooting



STRAIGHTFORWARD
HIGH SPEED
IMAGING

TroublePad

SELF-CONTAINED, SIMPLE, ULTRA COMPACT, AFFORDABLE

High-speed camera for production line
and rapid cycle machinery troubleshooting.

- › Quick setup
- › Easy to use
- › Small footprint
- › Self-contained
- › Return on investment



THE ESSENTIALS: SIMPLE AND EFFECTIVE

TroublePad is an **ultra-portable high-speed video system**. TroublePad's high-speed camera enables you to **capture, analyse** and **understand fleeting or random events** that occur on your **production line** or **specialised rapid cycle machinery**.



TroublePad high-speed camera on its bracket mount, and tablet-based software



TroublePad workstation in its carrying case

TroublePad

- › Is quick to install
- › Is self-contained
- › Has built-in lighting
- › Works with an integrated software interface on a tactile tablet
- › Packs away into a practical carrying case

CAPTURE DEFECTS THAT ARE INVISIBLE TO THE NAKED EYE! BREATHTAKING SLOW-MOTION IMAGES!



EASY TO USE AND TOTALLY INTUITIVE

With the high-speed TroublePad camera you'll be recording your first images in just a few minutes.

Instant slow-motion replay will help you **understand the anomalies** that are **impossible to detect with the naked eye**.

At your fingertips, all the functionality of TroublePad's software:

- ▶ **Recording**
- ▶ **Key event selection and playback**
- ▶ **Video export in AVI format**



Simplified user interface for maximum ease of use



ONLY RECORD WHAT YOU NEED

TroublePad's loop recording makes sequence analysis easier, with only the key moments being retained.

The **(optional) Trigger box** enables you to **pilot the TroublePad** software using signals from your own system's sensors! You can:

- ▶ **Start/stop recording** with automatic rearm
- ▶ **Mark key images**
- ▶ **Retain a few seconds** before and after your sensors' signal (pre-post triggering)

**TROUBLEPAD IS YOUR
"WATCHDOG", MAKING SURE
YOU ONLY KEEP WHAT
YOU NEED!**

You'll be able to spot the random events in your production line with ease.

EASE OF USE
is our byword



TECHNICAL SPECIFICATIONS

Recommended speed	570 images/sec at 800 * 600 resolution
Standard speed	225 images/sec at 1280 * 1024 resolution
Other possible speeds	850 images / sec at 640 * 480 resolution 1500 images / sec at 500 * 300 resolution 2500 images / sec at 320 * 240 resolution
Lighting	Adjustable 204 LED, operating on batteries (6 x AAA), power pack or mains Power: 1400 lux at 1 meter Weight: 250 gr
Optics	C mount – 8-48 mm macro zoom lens, with 1D, 2D, 4D, 10D close-up
Mount	'Magic' arm with variable friction for camera and lighting

Tablet	12-inch tactile screen Intel Core processor – 8 Gb RAM SSD 256 Gb disk (512 Gb and 1 Tb option) with protective case and shoulder strap
Software	Main features: Loop recording Long recording time Pre/post triggering Event marking Backward or forward playback Adjustable playback speeds AVI Sequence selection / extraction
Carrying case	Overall dimensions: 575 * 470 * 205 mm Weight: 9 kg



VIDEO STORAGE CAPACITY

Maximum loop length in minutes			
Tablet type	256 GB Tablet	512 GB Tablet	1TB Tablet
Resolution 1280 x 1024			
Max Frame rate 225 fps	~15	~30	~60
Frame rate 110 fps	~31	~62	~121
Frame rate 60 fps	~56	~113	~222
Resolution 1024 x 768			
Max Frame rate 360 fps	~15	~30	~60
Frame rate 180 fps	~31	~63	~123
Frame rate 90 fps	~63	~126	~246
Resolution 800 x 600			
Max Frame rate 570 fps	~15	~30	~60
Frame rate 250 fps	~37	~74	~145
Frame rate 125 fps	~74	~149	~291
Resolution 640 x 480			
Max Frame rate 850 fps	~15	~30	~60
Frame rate 425 fps	~34	~68	~133
Frame rate 200 fps	~72	~145	~284
Resolution 500 x 300			
Max Frame rate 1500 fps	~19	~39	~77
Resolution 320 x 240			
Max Frame rate 2500 fps	~23	~46	~91

All specifications are subject to change.



ACCESSORIES



Magnetic base



Trigger box +/- 24V and USB hub



Radio trigger for TroublePad station



High power lighting 12 000 lumens



Long-length hybrid cable (10, 20, 50 meters)



Battery kit for TroublePad lighting block



Wide angle varifocal lens 4,0 - 12,0mm



512GB and 1TB tablet option



Tripod photo stand for TroublePad station



Quick fixing clamps



Removable trolley for TroublePad carrying case

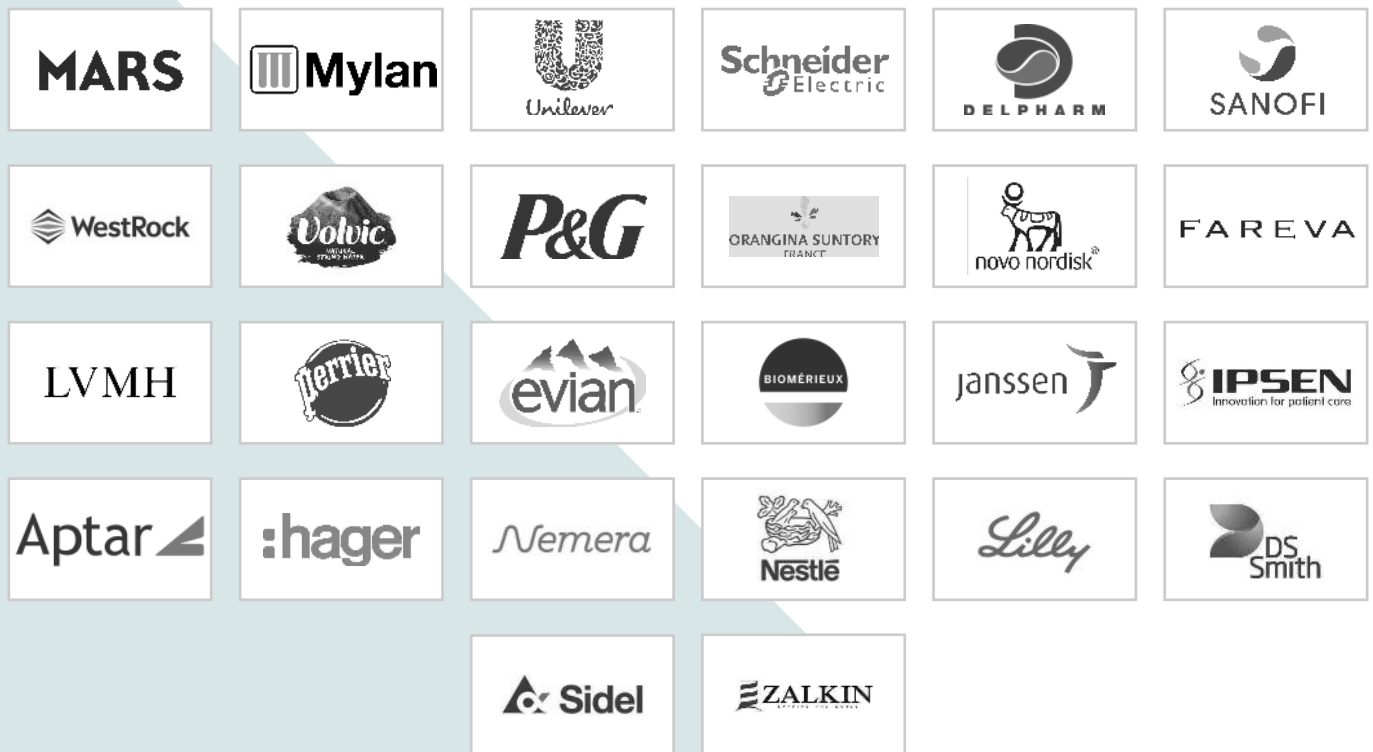


Suction cup for TroublePad station



OUR REFERENCES

The biggest names in industry **trust Clara Vision solutions.**



TroublePad

CLARA VISION PROVIDES FLEXIBLE SOLUTIONS

CONTACT US FOR A BESPOKE CONFIGURATION



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