Tiger OEM

Time Lapse Photography Platform for OEM and Systems Integrators

- Ready to autonomously photograph with the stunning clarity of a Canon EOS Digital SLR or mirrorless camera
- Multiple connectivity options makes this ready to capture, archive and upload anywhere in the world
- Powerful automated 7 day scheduler
- Integrated Camera power supply
- 128GB+128GB redundant local storage
- Watchdog firmware to ensure unattended automation

The Tiger OEM Module is the perfect platform for building your own custom time lapse photography system. Compatible with all the latest Canon DSLR and mirrorless cameras and lenses, this system is easily integrated into your own product or packaging. The system comes with many connectivity options making it easy to configure any settings remotely as well as giving you critical operational alerts. Built-in power supplies and watchdog firmware make this hardware + software package highly reliable for long term time lapse. All of these features combined makes the Tiger OEM kit a complete package able to deliver time lapse photography from anywhere.

The EOS lineup from Canon covers all a professional photographer's needs. From 18MP all the way to 50MP, Canon's quality and innovative technology integrates perfectly with the Tiger OEM kit. The powerful VM95 software and embedded controller module allow you to schedule image capturing to your needs all while staying within a minimal power budget.

Toll Free: 1-888-495-6057

Technical Specifications - Tiger OEM

Canon EOS Camera Specs (not included)	
Image sensor	22.3mm x 14.9mm APS-C 36mm x 24mm Full frame
Image format	18.0MP to 50.6MP resolution 5184px x 3456px min picture size (18MP) 8688 x 5792 max picture size (50MP) 3:2 image ratio JPEG or JPEG+RAW
Camera settings	ISO, White balance, Exp Metering, Exp Compensation, pixel quality
Camera features	EF and EF-S lens mount, DIGIC 5 Image processor, Remote focus for STM and Ring Motor type lenses

Software Spec	
Programming	80 programmable “scenes” Programmable scenes include: image capture, uploading, image manipulation, compositing, sensor sampling, rebooting, sleeping
Sample Interval	1 sec to 1 week Day of week selectable Start and stop time selectable “on-the-minute” capable
Image Capture Settings	Resolution, ISO, Exposure, Aperture, Exp. Compensation, White Balance, Quality, JPEG compression
Image manipulation	Timestamp, resize, rotate, crop, brightness, contrast, thumbnail creation
Solar Mode	System can go into low power sleep state for operation utilizing batteries and/or solar. Sleep intervals from 3 min to 1 day.
Archiving	Set up to 4 separate archive drives System manage archive size will keep drives from filling up.
Uploading	System can push images to a server via FTP. Text reference file can be placed along with images or system can send HTTP GET request after upload for custom API (Server API not included)

Tiger Embedded Module Specs	
Processor	CPU: 64 bit Intel Atom E3825 Frequency: 1.33GHz Cores: 2 Threads per core: 2
Memory	Type: DDR3L Speed: 1066MHz Capacity: 4GB
Hard Drive	OS: 8GB SSD mSATA -40°C to +85°C Images: 2x 128GB removable USB flash storage **Upgrades:** 2x 258GB removable USB flash storage
OS	Microsoft Windows Embedded Standard 8
Micro-controller	Erdman Proprietary Watchdog Firmware
PC Ports	1x Gigabit Ethernet 3x USB 2.0 1x USB 3.0 1x VGA 2x RS232 (1 available)
Input	12-30v DC 7W typical power consumption, not including external devices.
Output	3 switched outputs: Input V fused at 5A for powering\switching external devices such as Ethernet cellular modems, Wi-Fi, glass heaters, and fans. Camera: 8v fused at 3A PC: 12v fused at 3A
Environmental	Regular: 0°C to +60°C (+32°F to +140°F) **Cold weather upgrade:** -40°C to +85°C (-40°F to 185°F)
Dimensions	2.5” Pico ITX (100 x 72mm)
Features	OS features a ROM operation mode where session disk writes are not committed to disk. Ensuring low risk of OS corruption. Canon cameras are controlled over USB. No SD card or shutter release needed. Watchdog firmware keeps system running ensuring continued image capture even if the system is left unattended.