



Camera trapping equipment for UWIN partners by UWIN partners.

Below you will find a suggested inventory of equipment commonly used by UWIN partners involved in our long-term camera trapping study. Every partner is welcome to modify the equipment inventory as needed given they are following [UWIN methodologies](#). Partners may vary their inventory based on funding, available equipment from other projects, or on future research aims. Adapting old camera cases to new models may be possible with bubble wrap. Feel free to reach out to the UWIN coordinate for further questions.

Item	Model/Name	Vendor	Comments
Cameras	Bushnell Essential E3	Trail Cam Pro	This is no longer in production, so we are phasing this option out though it is still available in select places.
	Browning Patriot	Trail Cam Pro	Good battery life and image quality (24 mpxl); NOT COMPATIBLE WITH NiMH RECHARGE BATTERIES
	Bushnell low glow	Bushnell	Good battery life and image quality (20 mpxl), video quality is lacking; solid budget option
	Browning Strike Force Pro X	Trail Cam Pro	There are a few Strike Force options with various mpxl and features. See Trailcampro.com for details
	Browning Spec Ops Elite HP5	Trail Cam Pro	Great battery, image quality (24 mpxl), and no glow (good for less detectability by humans at night)
Metal security case	Bushnell Aggressor	Varies	Fits Bushnell Essential E3; watch for updated models and varying case sizes
	Browning Patriot	Trail Cam Pro	Fits Browning Patriot; watch for updated models and varying case sizes
	CAMLOCK box	Amazon	Good for Bushnell Core cameras

	Browning Pro X/XD case	Trail Cam Pro	This Browning trail camera security box works with the Browning Strike Force Pro X , Browning Strike Force Pro XD and the Browning Dark Ops Pro XD
	Browning Elite HP5 case	Trail Cam Pro	Good for Browning Spec Ops
Cable locks	Master Lock Python Cable	Trail Cam Pro	For high security sites. Can be keyed alike, but not with other master lock products.
	Master lock general use cable 67D	Taylor Security and Lock.com	Also can be made by purchasing cable and crimping to make the locks.
Pad lock	Master lock solid brass padlock #4140	1st-in-Padlocks.com	Any padlock will do. Be sure to key them all alike.
Batteries	Eneloop AA	Amazon	We find these to be longer lasting than other rechargeable. You can buy battery chargers here as well.
Battery chargers	Vanson, Tenergy	Battery Junction.com, Amazon , Amazon	Any AA NiMh charger should be fine
2 GB SD Cards	Any	TigerDirect, Amazon, Staples	Often IT departments have access to deals through TigerDirect, Staples, etc. If higher memory SD cards are cheaper, feel free to get those instead.
Weatherproof labels	SL552 XK - 2.833" x 1.5"	SheetLabels.com	For marking cameras with your contact info, camera ID#. Could go slightly smaller than 1.5". We printed in-house but could also have them printed with weatherproof ink for longer use. Consider QR codes that link to study page to discourage theft.

Clipboard, pens, blank labeling stickers			For holding permits/datasheets in the field, labeling SD cards with Camera ID.
Backpacks			For carrying all of your supplies.
WD40, deicer			For lubricating locks, getting locks open during the winter.
Metal shoe horn			Great tool for getting batteries out of cameras!
Ziplocs			Organizing SD cards, gloves, pouches.
GPS, flagging			For marking camera location.
Step Ladder	Gorilla	Home Depot	A 3-step ladder that is light enough to carry to your field sites. It is useful to put cameras up higher and aimed down if you are concerned about vandalism.



Lure/bait equipment for Camera traps

Below you will find a suggested inventory of lure equipment commonly used by UWIN partners who bait camera trap stations. Every partner is welcome to modify the equipment inventory as needed given they are following [UWIN methodologies](#). UWIN does not require the use of lure and many partners have moved away from this method based on findings by [Mason et al. \(2020\)](#). Partners may vary their inventory based on funding, available equipment from other projects, or on future research aims. Feel free to reach out to the UWIN coordinate for further questions.

Item	Model/Name	Vendor	Comments
Mesh screening	Any	Amazon	For constructing lure pouches
Zip ties	Any	Amazon	For constructing lure pouches
Lure	Predator Survey Discs/Fatty acid discs	USDA Pocatello Supply	Email WS.PSD@aphis.usda.gov with your order and they will prepare an invoice. You must go to www.pay.gov to prepay with a cc before they will ship to you. Include the invoice number with your payment. After you submit payment, you will receive a confirmation email. Please copy the PSD email address WS.PSD@aphis.usda.gov in the confirmation. Once they have received payment confirmation, we will ship the order. Typically, there are 110 discs per can. To transport discs between the office and the field sites, we place discs into small jars sealed with electrical tape, as recommended.
Nails, Hammer			For nailing lure pouch to tree
Leatherman tool			For cutting lure pouches off of chain link fences or removing pesky batteries
Gloves	Any	Amazon	Handling bait