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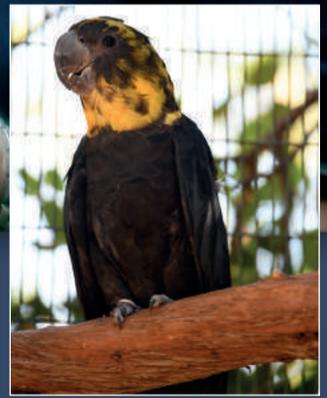
Zdenek
VANDELIK
Breeding of the
*Eupsittula
pertinax*

 Pafos Zoo Cyprus

Breaking eggs

Cameras in and around the aviary

The DARKNESS and the parrots





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AUGUST **2021**

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PARROT BREEDING IN THE PAFOS ZOO

Did you know that Cyprus, the third largest island in the Mediterranean, has a beautiful zoo specializing in parrot breeding? Although I mingle with our „feathered“ world every day, I’ve only heard about the **Pafos Zoo** now and then cursorily. When Ioulios Kristoforou, the son of the zoo’s founder and director, published a report on his Facebook profile about the hatching of Yellow-fronted Parrots (*Poicephalus flavifrons*) in May this year, my determination to visit Cyprus took a clear turn. In July, the covid situation improved so much that it was possible to travel without any problems, and the plan became a reality.

CAMERAS IN AND AROUND THE AVIARY



By Randy Berry

The price of surveillance cameras has fallen to the point that it makes them today at the reach of all aviculturists. It is now possible to have a high-definition multi-camera setup in one's aviary to monitor all aspects of operations from nest boxes and aviary cams to security cams. Being able to see what was once the secret lives of your birds is now like having a documentary in your home.

Technology

With advancements in technology, cameras have become more than just visual devices that require a user to watch hours of footage in front of a monitor. Digital video recorders can record digital footage and transmit live to a mobile device anywhere in the world 24/7. Analogue systems, the ones with audio and video cables, are becoming outdated so my focus in this article pertains mainly to more modern digital systems that connect to the local network in your house with an Ethernet cable.

Cameras have evolved not only in high definition but also in size. Today it is possible to purchase high-definition cameras the size of a thumbnail. These small cameras are great to clip to a branch in the aviary and monitor softbill nests. Anti-vandal cameras with aluminium bodies keep even the strongest beaks from damaging them inside the nest boxes and outside the aviary.

Sensors are now standard components of cameras. These sensors can notify the user of image movement to the detail of just a few pixels of the screen. These notifications can alert the user for movement e.g. of a bird entering a nest box or of movement on the property signalling a possible break in and if programmed, the system will send an email to a smart device anywhere in the world in seconds with an attached photo. Additionally, these events can be set to trigger the software to create a bookmark so that you can easily find and review them later. Infrared LEDs give

us the added advantage of viewing and recording the aviary and nest boxes even during the night, so to allow 24/7 monitoring. PTZ (pan-tilt-zoom) cameras give the user remote directional and zoom controls, with advanced systems having additional options such as the ability to track objects. POE (Power over Ethernet) cameras are a relatively new technology that allows a router or switch to power the camera. This avoids the need for separate power cables and power units, which greatly reduces installation time. WIFI wireless technology facilitates installation because of no need to install wires. Some cameras contain solar panels so that the camera can be completely independent from power wires. WIFI have some drawbacks. Interference can happen between cameras and other electronic devices and depending on the technology, they can be "tapped" into. I recommend a wired system whenever possible.

Not only have cameras evolved in technology, but also so have digital recorders. Facial recognition has made its way now as standard technology, where if used will recognize authorized persons and create an alarm if unauthorized people are seen. PTZ cameras, as mentioned above, can be programmed to turn on at intervals or on pre-recorded paths, and if movement is detected, track objects in detail.

Now that I highlighted some of the technology, let us go into detail on how to go about installing a system in and around the aviary.

By Alena Winner
& Zdenek Vandelik

BREEDING BROWN-THROATED PARAKEETS *(Eupsittula p. pertinax)*



Breaking eggs

By MVDr. Helena Vaidlova





Jakub Janosch has been breeding parrots, pheasants and frugivorous birds for many years. This personal interest is one of the reasons he decided to go in the direction of being the exclusive importer of Psittacus products for the Czech Republic. The text written on the basis of his personal experience with Psittacus products and his own practice will be useful to all who breed Lories.

My experience with Lory products of the Psittacus

By Jakub Janosch

Lories had long been tempting for me, but having experienced frugivorous and nectarivorous birds I didn't want other „continuous flow heaters“ as I like to call them, in my breeding, owing to the increased daily frequency of feeding (especially in the summer months, when the nectar spoils very quickly). Also, the frequent cleaning of thin droppings and overall high standards for maintaining hygienic conditions (elimination of fungi, yeast, etc.). Lories very quickly went out of my mind, but whenever I spotted them when wandering around different zoos and breeders, their acquisition still gnawed at me.

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