LOWERING DEVICES_

MOOG



PolEvator[™] Camera Lowering Pole

Save money, time and labor with the innovative Moog PolEvator. One technician, using a standard drill, can quickly, easily and safely service or repair pole-mounted cameras without the need for high-reach devices, such as bucket trucks, ladders or multiple technicians. With its unique, patented, self-lubricating lowering mechanism, the Moog PolEvator is built to smoothly lower its payload to ground level yet withstand harsh outdoor conditions.

Constructed of extruded aluminum, the PolEvator is designed to withstand high wind gusts of 150mph, resulting in little to no picture distortion. Available in 16' or 18' models, the PolEvator accepts a wide range of cameras and video surveillance accessories.

Features

- Cost-effective solution eliminates the need for renting expensive bucket trucks and reduces labor requirements
- Solid construction; designed to reduce or eliminate vibration from strong wind loads up to 150mph
- Patented, self-lubricating lowering mechanism, withstands many up-down iterations
- Factory wired plug n' play, includes power, video and data connections
- Compatible with most major camera manufacturers. (Contact a Moog associate for appropriate mounting brackets)
- Increases safety for technicians and surroundings
- US Patent #6,447,150 B1







PolEvator[™]

16' PolEvator:

PV16N

16' Free-standing aluminum pole complete with universal mounting plate, flexible shaft lowering tool, lifting plate, power and data connections and video input

18' PolEvator:

PV18N

PV16N with 2' transformer base. Base includes NEMA box, terminal strip. 115Vac to 24Vac transformer and surge protection for video / data

Additional Benefits:

- Universal mounting plate for compatibility with other manufactures' cameras and housings
- · Factory wired for both network and analog camera systems
- Anchor jig (sold separately) provides ideal solution for securing pole into ground
- Cordless drill is the only tool necessary to lower and raise the PolEvator
- Pole provides increased field of view

Accessories:





PV1

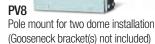
Lightning Rod for Free-standing poles



Dual illuminator bracket (IR not included)



Anchoring Jig (recommended for each pole ordered)



Product Specifications Construction PV16N / PV18N: Extruded aluminum " x 4.75" Pole ' x 12" Base) PV16N: 16 feet height Dimensions (4.75" x 4.75" Pole + 13" x 13" Base) PV18N: 18 feet height PV16N 155 Lbs. (70.3 Kg.) Weight PV18N: 200 Lbs. (90.72 Kg.) Max Wind Capacity: 35 Lbs. at 12u (Max) Loading Max Wind Load: 150mph Mounting Plate Mounting Pattern: 5.5" x 2" (4) 3/8"-16 threaded inserts 15.5' raised / 5' lowered' PV16N: Max Housing Height PV18N 17.2' raised / 6.7' lowered

Shipping Specifications				
Model	Shipping Weight	Box Dimensions		
PV16	300 Lbs. (124.74 Kg.)	16' x 12" x 12" (406.4 x 304.8 x 304.8mm)		
PV18	300 Lbs. (124.74 Kg.)	16' x 12" x 12" (452.12 x 304.8 x 304.8mm)		
The PV18 also includes the following items, separately boxed:				
Terminal Base:	36 Lbs. (15.42 Kg.)	22.5" x 15" x 18" (571.5 x 381 x 457.2mm)		
NEMA Box:	10 Lbs. (4.54 Kg.)	18" x 11" x 7" (457.2 x 279.4 x 177.8mm)		

^{**} Call Moog for complete dimensional information on separately boxed items.

Cost Savings with the PolEvator:

With the PolEvator's patented, self-lowering capabilities you will save on high cost fees associated with servicing pole mounted surveillance systems.

Invoice				
Item	Unit Price			
Bucket Truck	\$ 975.00			
(Average service calls per year - 3; average daily truck rental - \$325)				
Cost of Technicians	\$ 120.00			
(Most jobs require at least two technicians for safety reasons. \$20/hr x 3 visits x 1 hr / visit x 2 techs)				
Cost of Slower Response Time	\$ 250.00			
(Delays in scheduling can result in substantial loss of revenue from the service)				
Cost of Training	\$ 15.00			
(Some facilities require personnel operating bucket trucks to be trained)				
Administrative Costs	\$ 150.00			
(Scheduling of personnel, paperwork required for insurance and / or government purposes, etc)				
Total Yearly Cost Estimate**	\$1,510.00			

** NOTE: This is an estimate based on focus groups & industry information. Costs may vary with location & other factors.

Mechanical Specifications				
Load Screws:	1" diameter stainless steel			
Bearings:	Stainless steel and polymer			
Protective:	EPDM rubber			
High Flex Composite Cable:	(2) RG179 coax cable	(1) CAT6 stranded cable		
night riex composite cable.	(6) 14-gauge wires for power, control, or twisted pair			

Diagram of Self-Servicing Mechanism

