



PolEvator™ Self-Service Lowering Pole

Save money, time and labor with Moog Videolarm's innovative self-service PolEvator. One technician, using a simple drill, can quickly and easily service or repair pole-mounted cameras. With its unique patented self-lubricating lowering mechanism, Moog Videolarm's PolEvator allows maintenance to be completed quickly, and without the need for expensive bucket trucks or multiple technicians.

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.

Key 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
- Factory wired plug n' play with power, video and data connections
- Compatible with most major camera manufacturers. (contact a Moog Videolarm associate for appropriate mounting brackets)

US Patent #6,447,150 B1



16' PolEvator Lowering Pole:

PV16N

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

18' PolEvator Lowering Pole:

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 manufactured domes 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 PolEvator
- Pole provides increased field of view and alleviates unnecessary damage to buildings with mounting camera system

ACCESSORIES:



PV1
Lightning Rod for
Free-standing poles



PV4
Anchoring Jig (recommended
for each pole ordered)



PV6
Dual illuminator bracket
(IR not included)



PV8
Pole mount for two dome installation
(Gooseneck bracket(s) not included)

SPECIFICATIONS:

Product Specifications

Construction	PV16N/PV18N:	Extruded aluminum		
Dimensions	PV16N:	16 feet height	(4.75" x 4.75" Pole	+ 12" x 12" Base)
	PV18N:	18 feet height	(4.75" x 4.75" Pole	+ 13" x 13" Base)
Weight	PV16N:	155 Lbs.		(70.3 Kg.)
	PV18N:	200 Lbs.		(90.72 Kg.)
Loading	Max Load Capacity:	35 Lbs. at 12u (max.)		(15.88 Kg.)
	Max Wind Load:	150mph		
Mounting Plate	Mounting Pattern:	5.5" x 2" (4) 3/8"-16 threaded inserts		
Max Housing Height	PV16N:	15.5' raised / 5' lowered'		
	PV18N:	17.2' raised / 6.7' lowered		

Shipping Specifications

MODEL	SHIPPING WEIGHT	BOX DIMENSIONS
PV16	275 Lbs. (124.74 Kg.)	16' x 12" x 12" (406.4 x 304.8 x 304.8mm)
PV18	350 Lbs. (158.76 Kg.)	17.8' x 12" x 12" (452.12 x 304.8 x 304.8mm)
The PV18 also includes the following items, separately boxed:		
Terminal Base:	34 Lbs. (15.42 Kg.)	**
NEMA Box:	10 Lbs. (4.54 Kg.)	**

** Call Moog Videolarm for complete dimensional information on separately boxed items.

Cost Savings with the PolEvator:

With the PolEvator's patented self-lowering process, you will save on high costly 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 zinc phosphate stainless steel
Bearings:	Stainless steel and polymer
Protective Gasket:	EPDM rubber
High Flex Composite Cable:	(2) RG179 coax cable (6) 14-gauge power wires
	(6) 24-gauge wires for control, options, or twisted pair

Diagram of Self-Servicing Mechanism

