

CCTV POLES - PoIEvator™ Lowering Pole PV16/PV18



DESCRIPTION

With the PoIEvator™ just one technician using a simple drill can quickly and easily service or repair pole mounted domes and housings. Videolarm's unique, patented process allows work to be completed in a fraction of the time. No more expensive bucket trucks, or long lead times for service calls. The PoIEvator™ requires less personnel for servicing and less time, making it much more cost-effective than traditional poles. And, since the tall ladders and lift equipment don't have to be used, safety concerns decrease. The PoIEvator™ is a time, work, and money saver.

FEATURES

- 16-foot or 18-foot height
- Extruded aluminum construction
- Universal mounting plate included for domes or housings
- Power, video, and data connections included
- Lowered to height of 5' for the PV16 and 6.7' for the PV18
- Anchoring jig included with free standing models
- Pole mount and wall mount adapters available

CERTIFICATIONS

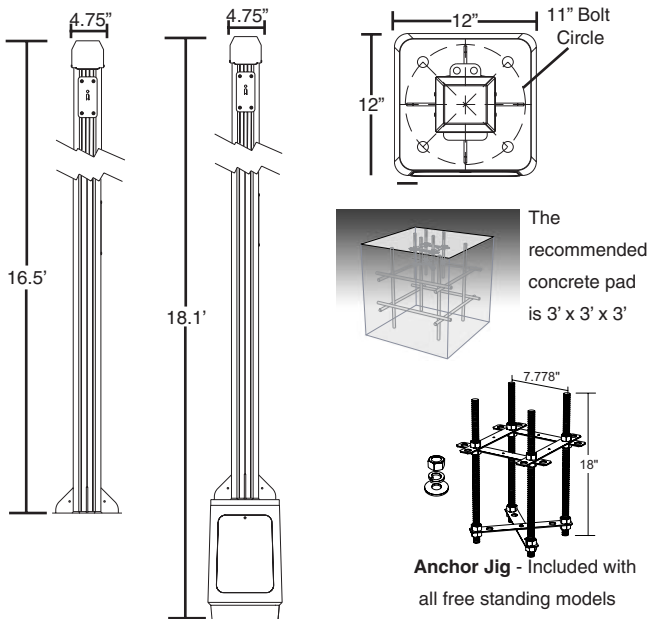
Patented / USP6,447,150 B1, others pending

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

The PoIEvator™ shall be constructed from extruded aluminum with a black powder coat finish, and shall be 4.75" square. The base plate shall be 12" x 12" and contain (4) 1" mounting holes based on an 11" bolt hole circle. The standard camera housing mounting plate shall be 7" x 3.5" with (4) 3/8-16 threaded inserts on a 5.5" x 2" rectangular mounting pattern. The maximum equipment loading shall be 35 lb. Lowering and raising shall be achieved by means of a 1" steel lead screw mounted inside the pole and rotated by means of a 9.6 v or higher drill attached to the lead screw by a flexible shaft. Access to the lowering/raising mechanism and wiring shall be through a built-in access door attached with security fasteners. Bearings for the mechanism shall be stainless steel or polymer. A rubber flap shall protect the mounting plate sled opening.

The PV16 shall be 16.5' in height by 4.75" in width. The maximum lowered height shall be 5'; maximum raised height shall be 15.5'. The PV16P may be mounted to an existing pole; the PV16W may be mounted to a wall. The high-flex cable shall include (1) RG179 coax cable, (2) 18-gauge wires for power, and (6) 24-gauge wires for control, options, or twisted pair. The PV16M high-flex cable shall include (2) RG179 coax cables and (6) 18-gauge wires for power and options.

The PV18 shall be 18.1' in height by 4.75" in width. It shall be mounted upon a 20" aluminum transformer base which shall include NEMA box, terminal strip, 115 transformer and surge protection. Power and data connections and one video input shall also be included. The maximum lowered height shall be 6.7'; maximum raised height shall be 17.2'. The high-flex cable shall include (1) RG179 coax cable, (2) 18-gauge wires for power, and (6) 24-gauge wires for control, options, or twisted pair. The PV18M high-flex cable shall include (2) RG179 coax cables and (6) 18-gauge wires for power and options.



DIMENSIONS

Construction - Extruded aluminum

Dimensions:

- PV16: Pole - 16.5' x 4.75" x 4.75"
- Base - 12" x 12"
- PV18: Pole - 16.5' x 4.75" x 4.75"
- Transformer Base - 20" x 13" x 13"
- Total Height (w/Transformer Base) - 18.1'

Weight

- PV16: Unit weight - 155 lb. / Shipping Weight - 245 lb.
- PV4 Anchor Jig - 18 lb. / 18 lb.
- PV18: Unit weight - 155 lb. / Shipping Weight - 245 lb.
- PV4 Anchor Jig - 18 lb. / 18 lb.
- Transformer Base - 34 lb. / 34 lb.
- NEMA Box - 10 lb. / 10 lb.

Loading:

- Maximum Load Capacity - 35 lb.
- Maximum Windload - 110 mph

(Continued on next page)

DIMENSIONS (continued)

Camera Housing Mount Plate:

Size: 7" x 3.5"

Mounting Pattern: 5.5" x 2" ((4) 5/8-16 threaded inserts)

Maximum Housing Height:

PV16: 15.5' raised / 5' lowered

PV18: 17.2' raised / 6.7' lowered

High Flex Composite Cable:

1 RG179 Coax cable

3 18-gauge power wires

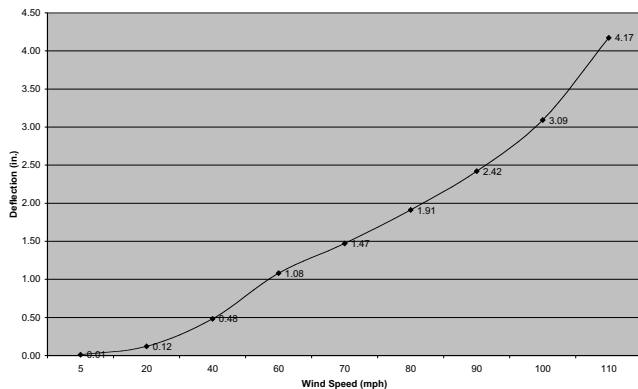
6 24-gauge wires for control, options, or twisted pair

Lead Screw: 1" diameter zinc phosphate coated steel

Bearings: Stainless steel and polymer

Protective Gasket: EPDM rubber

Deflection Curve for PV16



MODELS

PLEASE NOTE: If your application calls for a **FREE STANDING UNIT** order the **PV16** or **PV18**. For **EXISTING POLE MOUNT applications** order the **PV16P**. For **WALL MOUNT applications** order the **PV16W**.

PV16 - 16' free standing aluminum lowering pole. Includes universal mounting plate for one dome or one fixed camera housing, lifting hook, anchoring jig, power and data connections, and one video input.

NOTE: Use Videolarm's SuperDome™ or FusionDome™. For other manufacturers' domes, a WM20G is required. For Videolarm's ACH13 or other fixed camera housings, the WM1200 wall mount and WM1A adapter plate are required.

PV16P - PV16 for mounting to existing pole.

PV16W - PV16 for wall mounting.

PV16M - 16' free standing aluminum pole complete with universal mounting plate for one dome containing two fixed cameras or two fixed camera housings.

NOTE: For two Videolarm ACH13's or other fixed camera housings, the WM2400 wall mount is required. For Videolarm's SDW16 with standard wall mount or optional WM20G mount, no additional mounts are required; for other manufacturers' domes, a WM20G is required.

NOTE: Composite cable for dual mount units includes 2 RG179 coax cables, and 6 18-gauge power wires.

PV16MP - PV16M for mounting to existing pole.

PV16MW - PV16M for wall mounting.

MODELS (continued)

PV18 - PV16 with 20" transformer base. Base includes NEMA box, terminal strip, 115 transformer and surge protection. Includes power and data connections and one video input. See note under PV16 for brackets.

PV18E - PV18 with 220 transformer and surge protection

PV18M - PV18 with universal mounting plate for one dome containing two fixed cameras, or two fixed camera housings.

PV18ME - PV18M with 220 transformer base and surge protection.

PV18TB - PV 18 with transformer base. No internal equipment in base.

PV18MTB - PV18M with transformer base. No internal equipment in base.

OPTIONS AND ACCESSORIES

PV1 - Lightning rod for PV16, PV16M, PV18, PV18M.

PV3 - Decorative base for PV16, PV16M, PV18, PV18M.

PV5 - Junction box, with wiring harness to control pan/tilts in the down position

PV6 - Bracket to mount two Infrared Illuminators to all poles

PVN - NEMA box with terminal strip, video and data surge protector and 115 VAC input power transformer for PV16 Series only.

PVNE - PVN with 220 transformer and surge protection

WM1A - Adapter plate for WM800, to work with all poles

WM20G - Aluminum gooseneck wall bracket for mounting Pelco, AD, Philips, Panasonic, Sensormatic, Kalatel and other manufacturers' domes to all poles.

WM800 - Wall bracket for mounting Videolarm's ACH13 or other manufacturers' standard camera housings to all poles.

WM2400 - Wall bracket for mounting two Videolarm ACH13s or other manufacturers' standard camera housings to all poles.

APPLICATIONS

- Parking lots
- Warehouses
- Truck terminals
- Cargo areas
- Jails and prisons

SHIPPING SPECIFICATIONS

| Model | Unit Weight | Shipping Weight* | Shipping Box Dim. |
|-------|-------------|------------------|-------------------|
| PV16 | 155 lb. | 245 lb. | 16' x 17" x 17" |
| PV18 | 155 lb. | 245 lb. | 16' x 17" x 17" |

* Shipping weights depend on box dimensions.

BOTH UNITS INCLUDE THE FOLLOWING ITEM, SEPARATELY BOXED

| | | | |
|-----|--------|--------|----|
| PV4 | 18 lb. | 18 lb. | ** |
|-----|--------|--------|----|

THE PV18 ALSO INCLUDES THE FOLLOWING ITEMS, SEPARATELY BOXED

| | | | |
|---------------|--------|--------|----|
| Terminal Base | 34 lb. | 34 lb. | ** |
| NEMA Box | 10 lb. | 10 lb. | ** |

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