

**VARIABLE SPEED
360° CONTINUOUS PAN/TILT
15" ULTRADOME ENCLOSURE**

VARISCAN

The UltraDome V15, variable speed dome series is a specially engineered dome with variable speed pan/tilt (0.5° - 60°/sec, pan and 0.5° - 30°/sec tilt) to position cameras quickly. Since the optically correct dome allows viewing in all directions with 360° continuous scanning, the total number of necessary cameras can be reduced. A single UltraDome V15 unit located at the center of a room allows complete coverage.



**WeatherDome
Shown With
DWM-19 Mount**

All dome versions are designed to blend in with facility aesthetics while providing discreet camera surveillance. The hard ceiling, drop ceiling and indoor pendant versions have smoked or transparent options. The outdoor WeatherDome has a white sunshroud to reflect the sun, as well as an integrated heater and blower.

These domes are easily controlled by a hand-held, RS-422 joystick controller with unique three axis proportional control of pan, tilt and zoom functions. The controller sends its signals to a receiver/driver integrated into the pan/tilt. Up to 10 domes can be daisy chained to a maximum distance of 4000 feet. Video and data control systems can be expanded up to 128 domes using the CATS series video matrix system.

Camera & Lens Not Provided

FEATURES

- **15" drop ceiling, hard ceiling, indoor pendant mount and outdoor WeatherDome versions**
- **Integrated variable speed pan/tilt - 60° pan and 30° tilt**
- **Integrated RS-422 receiver/driver**
- **Uses proportional 3-axis joystick controller**
- **Up to 128 domes using the CATS series video matrix system and peripherals**
- **Blends in with surrounding aesthetics with smoked or transparent lower domes**
- **Wall, pendant, parapet, corner and pole mounts**
- **Integrated heater/blower and separate surge protection power supply for WeatherDome**
- **Quick disconnect yoke assembly and terminal strip or multi-pin connector for simple installation and maintenance**
- **1-year factory warranty**



VARISCAN

TECHNICAL SPECIFICATIONS

VARISCAN MODELS

Indoor VariScan Series 15" drop ceiling, hard ceiling or pendant mount dome. Includes integrated variable speed pan/tilt (60°/s pan and 30°/s tilt) with RS-422 receiver/driver. It comes with smoked or clear lower dome with optional liner.

Outdoor VariScan WeatherDome 15" outdoor WeatherDome with white sun-shroud and vented upper dome, includes integrated variable speed pan/tilt (60°/s pan and 30°/s tilt) and RS-422 receiver/driver. Also includes 200W heater/blower and surge protection power supply. It comes with smoked or clear lower dome with optional liner.

ELECTRICAL

Input Voltage	24V ac $\pm 10\%$, 60Hz $\pm 1\%$
Power Consumption	30W (24V ac)
Power Transformer	120V ac 60Hz to 24V ac @ 40V ac
Maximum Camera Power	8W (12V dc or 24V ac)
Communications	RS-422, two wire serial data
Max. Comm. Distance	4000 ft. maximum

MECHANICAL

Angular Travel:	
Horizontal	360° continuous sealed slip ring design
Vertical	90° down
Speed:	
Pan	Continuously variable 0.5° to 60° per sec.
Tilt	Continuously variable 0.5° to 30° per sec.
Braking	Dynamic $\pm 1/2'$ accuracy
Drive Motors	19V dc servo type
Camera Mounting	Adjustable camera sled connected to pan/tilt yoke
Maximum Load	5 lbs (2.3kg) (camera and lens)
Max. Length	12" (camera and lens)
Cable Entry:	
Drop Ceiling	Hole w/ cable clamp at top of back box
Hard Ceiling	Hole w/ cable clamp at top of back box
Pendant	Nipple at top of upper dome
WeatherDome	Nipple at top of upper dome
Cable Connection:	
Drop Ceiling	Terminal strip at top of back box
Hard Ceiling	Terminal strip at top of back box
Pendant Mount	Pigtail through nipple at top of upper dome
WeatherDome	Pigtail through nipple at top of upper dome

MECHANICAL (CON'T)

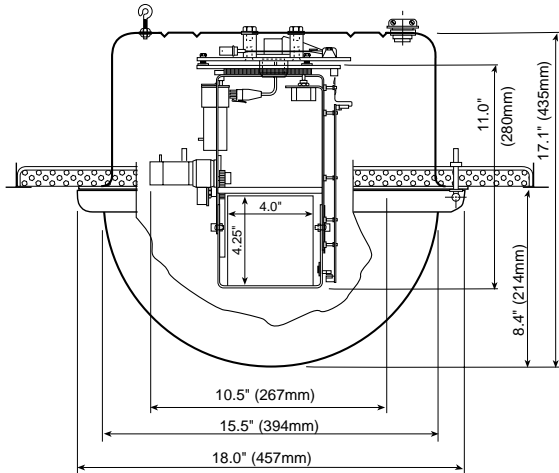
Construction:	
Upper Dome:	
Drop Ceiling	Plenum rated steel
Hard Ceiling	Plenum rated steel
Pendant Mount	Optically graded, cell cast acrylic
WeatherDome	Optically graded, cell cast acrylic upper dome with white sunshroud
Lower Dome:	Optically graded acrylic
Finish:	
Upper Dome:	
Drop Ceiling	Black, epoxy powder-coated box
Hard Ceiling	Black, epoxy powder-coated box
Pendant Mount	Black or white
WeatherDome	Black upper dome w/ white sunshroud
Lower Dome:	Smoked, transparent
Dimensions:	
Drop Ceiling	18 (Dia.) x 17.1H in.
Pendant Mount	18 (Dia.) x 16.4H in.
WeatherDome	22.1 (Dia.) x 16.5H in.
Weight	Approx. 20 lbs (9.1kg) less camera & lens

GENERAL

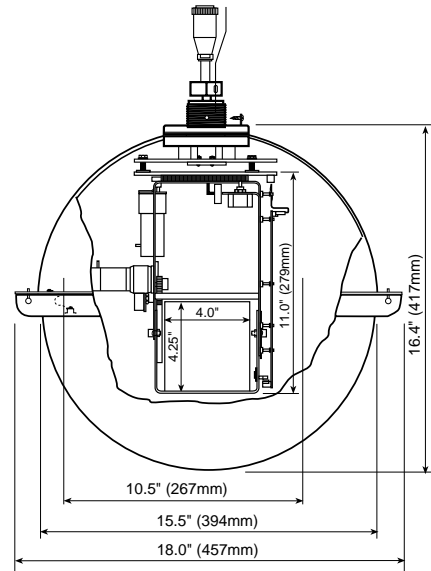
Optical Losses:	
Smoked	Equivalent F-stop 1.0
Filtration	Neutral density (no color distortion)
Resolution	Passes full camera resolution with 200mm focal length lens
Environment:	
Indoor	Drop ceiling, hard ceiling and pendant mount
Outdoor	WeatherDome

Design and specifications subject to change without notice. Recommended mounts and controls on last page.

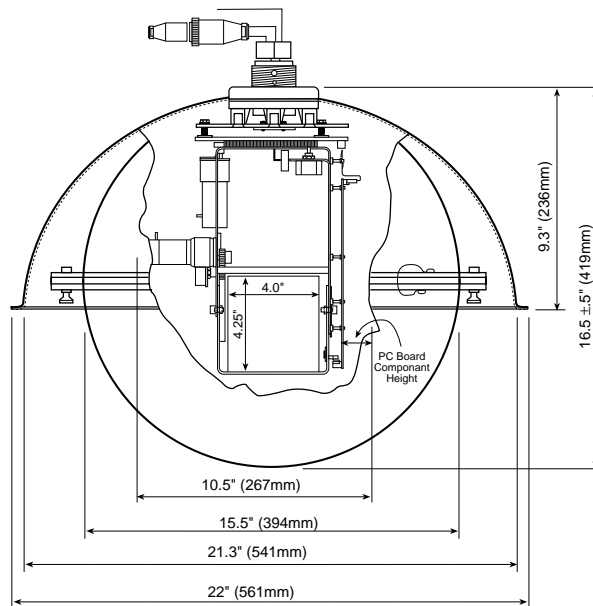
VariScan
DD15TD00 – Drop Ceiling with
Mount and Power Supply



VariScan
DD15TPS0 – Pendant Mount
Smoked Dome Top with
Mount and Power Supply



VariScan
DD15TW00 – WeatherDome Top with Power Supply



Conversion: 1" = 25.4mm
 Measurement conversions are approximate

RECOMMENDED MOUNTS FOR Pxx AND WXHPx

DPM-CR/1 (2/4/8)	Chrome, indoor, pendant mount with flange, 1 ft., 2 ft., 4ft. and 8ft. Supports up to 16 lbs.
DWM-CR	Same as above except chrome.
DPM-15	Outdoor heavy-duty, black, pendant mount with flange and coupling, 1' long. Supports up to 20 lbs.
DWM-19/S	Outdoor heavy-duty, black, wall mount with strut, flange and elbow coupling, 20" long. Supports up to 75 lbs.
PMA-18	Pole-mount adapter for DWM-19/S, minimum pole size 3", straps not included.
CMA-18	Corner-mount adapter for DWM-19/S.
PRM-100	Parapet roof-mount for inside of parapet, rotates 360°.
RM-100	Roof-mount for flat roof, rotates 360°.

RECOMMENDED CONTROLS

JAD-832	RS-422, hand-held 3-axis proportional controller for pan/tilt/zoom control, focus and iris in separate paddle switches, operates domes directly using DIA-01 or MUX-05, also operates CATS video matrix switchers for both data and video control, maximum of 4000 ft. between JAD-832 controller or control interface and last dome in run, up to 10 domes per run.
JPD-100	RS-422, desk-top 3-axis proportional controller for pan/tilt/zoom control, focus and iris on separate toggle switch. Also includes 8 quick keys for Multi-call functions. Operates SmartScan or VariScan domes using SSI100, JPD-100P or CCU100 and DIA-01. Using CCU100, can control CATS video matrix switchers for both data and video control, maximum of 4000 ft. between JPD-100 controller or control interface and last dome in link, up to 10 domes per link.
JPD-100P	Same as above except operates with the MSI100.
JPD-101	Stand alone version of JPD-100, can control SmartScan or VariScan domes or CATS matrix switchers directly without using CCU100. Only requires DIA-01 or DIA-02.
DIA-01	Control interface adapter, provides 5V dc power and data interface for JAD-832 or JPD-100 joystick controllers.
MUX05R	Joystick multiplexing unit, rack mount, provides control expansion capability for up to 5 JAD-832 controllers and 7 data link UltraDome V15 outputs, maximum 4000 ft. between MUX-05R and individual joystick controllers.
CATS Video Switchers	CATS video matrix switchers are available in configurations from 8 inputs with 2 outputs to 128 inputs with 16 outputs. Optional features include on-screen titles, looping or terminating inputs, desk or rack mount versions, relay outputs and alarm interface for automatic call-up with AIU100 and CCU100. The CATS video matrix switchers are fully compatible with the JAD-832 joystick controller.
COE08R COE016R	The COE, code expander units, are used to expand the number of UltraDomes. V15 high speed domes directly controlled by the JAD-832 or expand the data outputs of the CATS video matrix switchers. The units are available in 8 or 16 output channel versions, each channel is capable of supplying information to 10 UltraDome V15 units with a maximum of 4000 ft. per data link.

RECOMMENDED OPTIONS

Indoor Dome Tops

DD15TDOO	Drop ceiling with mount and power supply
DD15THOO	Hard ceiling with mount and power supply
DD15TPSO	Pendant smoke dome top with mount and power supply
DD15TWOO	WeatherDome top with power supply

Indoor Dome Bottoms

DD15BOSO	Smoked
DD15BOTO	Clear

Outdoor Dome Bottoms

DD15BWSO	Smoked
DD15BWTO	Clear
DD15BWTL	Clear with liner

Yoke Assemblies

DV15OOO	Indoor
DV15POOH	Outdoor (includes 200W heater)

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