

Overview

Vilink's CM-PTZD series of dome cameras feature multiple back box configurations and three auto focus, high-resolution dome drives with programmable software. CM-PTZD's back box models feature built-in memory to store camera and location-specific dome settings, including labels, presets, patterns, and zones. These settings are automatically downloaded if a new dome drive is installed. Two new back box models have been added to the line: an environmental in-ceiling model for outdoor soffits and an indoor surface mount model that installs quickly and easily to any type of ceiling.

All cameras in the CM-PTZD series feature low lux technology. The color/black-white model features a 23X lens, built-in motion detection and 80X wide dynamic range imager. Two standard cameras, available in color or monochrome, feature 22X lens and ExView HAD™ imagers for increased sensitivity.

Vilink's CM-PTZD dome systems feature many new software enhancements that increase performance and make programming and operation easy. Window blanking allows a user to program up to eight, four-sided, user-defined privacy areas. Password protection prevents unauthorized users from changing the system settings. Other new features include an on-screen compass and tilt display; multilanguage menus programmable for English, Spanish, Portuguese, Italian, French, and German; and an RJ-45 data port for software uploads and on-site setup and programming.

Vilink's CM-PTZD series feature variable speed capabilities range from a smooth, fast pan motion of 360 degrees per second to a smooth "creep" speed of 0.1 degree per second. The system is capable of 360 degrees rotation and has an "auto flip" feature that allows the dome to rotate 180 degrees and reposition itself for uninterrupted viewing of any subject that passes directly beneath the dome.

Optional diagnostic/installation tools include a remote monitor kit and a remote monitor cable. These accessories allow the installer to view video, control PTZ, and perform system setup and software upgrades at the installation site. The CM-PTZ-RMK is a stand-alone kit consisting of a 5.6-inch TFT-LCD monitor, Palm™ OS compatible handheld and interface cable, carrying case, and the remote monitor cable.



**Pedestal
Mount**



Surface Mount

Features

- Three Auto Focus, High-Resolution Integrated Camera/Optics Packages; Five Back Box Models
- Color/Black-White, 80X Wide Dynamic Range, and Motion Detection
- Built-in Back Box Memory
- ExView HAD™ CCD (CM-PTZ-22 Series)
- Window Blanking
- Horizontal and Zone Blanking
- RJ-45 Data Port for Software Update and Setup
- On-Screen Compass and Tilt Display
- Multilanguage On-Screen Menus
- Password Protection
- Freeze Frame During Presets
- 7 Alarm Inputs; 2 Programmable Auxiliary Outputs
- Built-in Surge and Limited Lightning Protection
- Optional UTP Video Converter
- Third-Party Fiber Modules
- Heavy-Duty and Stainless Steel Models Available

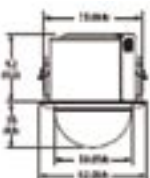
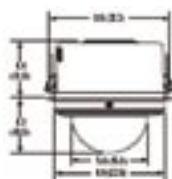
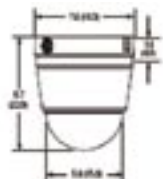
Ordering Information

Model	Description
CM-PTZD-22	Dome Pan/Tilt/Zoom Camera with blower, heater, 160x zoom lens (16x optical, 10x electronic)
CM-PTZD-M22	Dome Pan/Tilt/Zoom Camera with blower, heater, 220x zoom lens (22x optical, 10x electronic)
CM-PTZD-23IR	Dome Pan/Tilt/Zoom IR Camera with blower, heater, 160x zoom lens (23x optical, 10x electronic)

Specifications

GENERAL

Construction		
Back Box		
Surface Mount	Plastic	
In-ceiling	Aluminum	
Pendant	Aluminum	
Dome Drive	Aluminum, thermo plastic	
Bubble	Acrylic	
Light Attenuation		
Smoked	1/2 f-stop light loss	
Clear	Zero light loss	
Chrome	2 f-stops light loss	
Gold	2 f-stops light loss	
Cable Entry (Back Box)		
In-Ceiling and Surface Mount	0.75-inch conduit fitting	
Pendant	Through 1.5-inch NPT pendant mount	
Weight (approximate)		
	Unit	Shipping
	10 lb	13 lb
Environment		
Surface Mount	Indoor	
In-Ceiling	Indoor	
Environmental In-Ceiling	Outdoor	
Pendant Standard and Environmental	Indoor/Outdoor	
Operating Temperature		
Surface Mount and In-Ceiling Indoor Standard Pendant Maximum	32° to 122°F (0° to 50°C) (Assumes no wind chill factor) 113°F (45°C) absolute max; 95°F (35°C) sustained maximum	
Minimum	25°F (-4°C) sustained minimum	
Environmental		
In-Ceiling and Environmental Pendant Maximum	(Assumes no wind chill factor) 140°F (60°C) absolute maximum; 122°F (50°C) sustained maximum	
Minimum	-60°F (-51°C) absolute minimum; prevents icing at sustained minimum of -50°F (-45°C); de-ices 0.1 inch (2.5 mm) within 3 hours after power-up	
Effective Projected Area (EPA)		
	~175 square inches	



MECHANICAL (Dome Drive Only)

Pan Movement	360° continuous pan rotation
Vertical Tilt	Unobstructed +2° to -92°
Manual Pan/Tilt Speeds	
Pan	0.1°-80°/sec manual operation, 150°/sec Turbo
Tilt	0.1°-40°/sec manual operation
Preset Speeds	
Pan	360°/sec
Tilt	200°/sec

ELECTRICAL

Input Voltage	18-30 VAC; 24 VAC nominal
Input Power	25 VA nominal (without heater); 70 VA nominal (with heater)
Fuse	1.25A
Auxiliary	Outputs 2
Alarm	Inputs 7

CERTIFICATIONS/RATINGS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B

Meets the following standards:

- NEMA Type 4X, IP66 when installed properly
- NEMA Type 1, IP40

CAMERA / OPTICS

Signal Format	NTSC/PAL
Image Sensor	1/4" CCD (CM-PTZD-23IR) 1/4" EXview HAD CCD (CM-PTZD-22 / CM-PTZD-M22)
	NTSC 724 (H) x 494 (V)
	PAL 724 (H) x 582 (V)
Horizontal Resolution	> 470 TV Lines (NTSC); > 500 TV Lines (CM-PTZD-M22)
Lens	> 460 TV Lines (PAL); > 500 TV Lines (CM-PTZD-M22)
Zoom	f/1.6
	CM-PTZD-23IR 23X optical, 10X electronic
	CM-PTZD-22 22X optical, 12X electronic
	CM-PTZD-M22 22X optical, 12X electronic
Zoom Speed	CM-PTZD-23IR 4.2 seconds
	CM-PTZD-22 3.9 seconds
	CM-PTZD-M22 3.9 seconds
Max Sensitivity	CM-PTZD-23IR 0.08 lux @ 1/2 sec shutter (color) 0.013 lux @ 1/60 sec shutter (B&W)
	CM-PTZD-22 0.02 lux @ 1/2 sec shutter
	CM-PTZD-M22 0.005 lux @ 1/2 sec shutter
Video Output	1 Vp-p, 75 ohms
Video SNR	> 50 dB
Sync System	Internal / AC line lock, phase adjustable via remote control, V-Sync
White Balance	Automatic with manual override
Shutter Speed	Automatic / Manual
	NTSC 1/2 ~ 1/30,000
	PAL 1/1.5 ~ 1/30,000
Iris Control	Automatic Iris Control w/ manual override
Gain Control	Automatic / OFF