

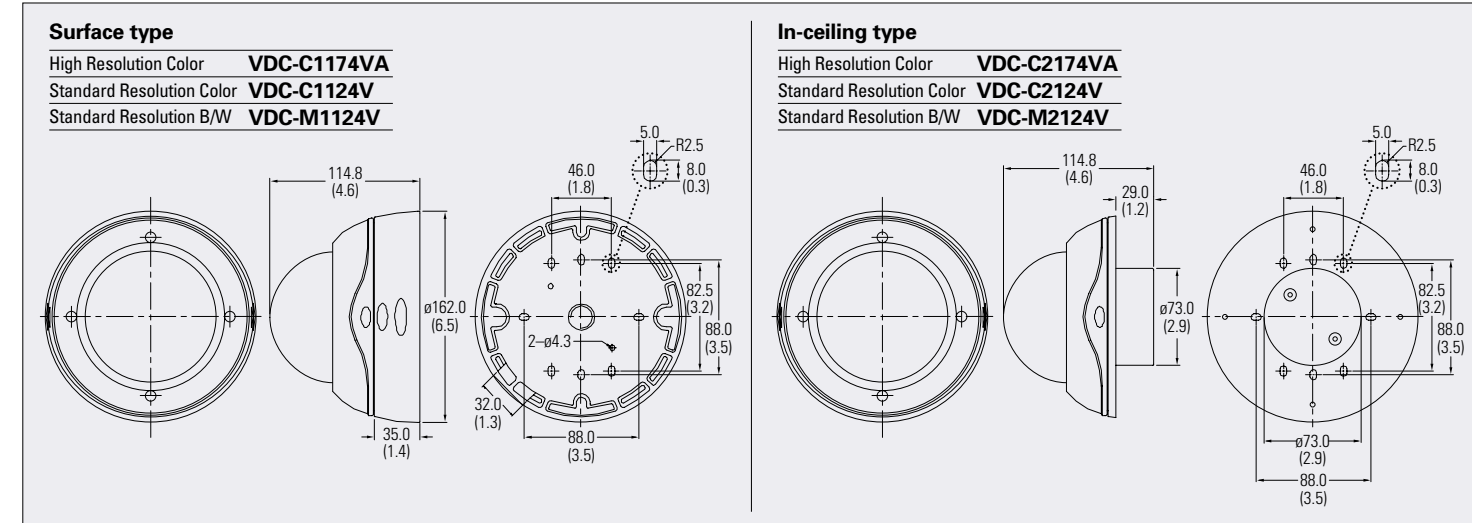
1/3" CCD Vandal Proof Dome Camera Series



Specifications	High-Resolution Color		Standard-Resolution Color		Standard-Resolution B/W	
Model	VDC-C1174VA	VDC-C2174VA	VDC-C1124V	VDC-C2124V	VDC-M1124V	VDC-M2124V
Housing	Surface	In-ceiling	Surface	In-ceiling	Surface	In-ceiling
Scanning system	NTSC standard TV system				EIA standard TV system	
Image device	1/3-inch interline transfer CCD					
Picture elements	881 (H) x 508 (V)		537 (H) x 505 (V)			
Effective picture elements	768 (H) x 494 (V)		510 (H) x 492 (V)			
Synchronizing system	Internal sync (12-15 V DC) or Line lock (24 V AC)					
Horizontal resolution	460 TV lines		330 TV lines		380 TV lines	
Video output level	1.0 Vp-p, 75 ohms, composite					
Video S/N ratio	More than 46 dB				More than 50 dB	
Minimum illumination (approx.)	1.5 lx (at F2.0, AGC: High mode)		1.0 lx (at F2.0, AGC: High mode)		0.1 lx (at F2.0, AGC: High mode)	
White balance	8 modes: Auto-tracking, Auto, Manual, Lock, Indoor x 3, Outdoor — DIP SW					—
Backlight compensation	Center-weighted photometry, ON/OFF — DIP SW					
Auto gain control	Normal / High — DIP SW					
Gamma correction	= 0.6 or 0.45 — DIP SW					
Electronic shutter	8 speeds: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec. — DIP SW					—
Built-in lens	Auto-iris varifocal lens (f = 4-8 mm, F2.0-2.8)		Varifocal lens (f = 4-8 mm, F2.0-2.8)			
Pan/tilt adjustment (manual)	Pan: 360 degrees, Tilt: 80 degrees					
Waterproof standard	IP66 rated					
Operating environment	Temperature: -10 to +50°C, Humidity: less than 90% (no condensation)					
Power requirement	12-15 V DC or 24 V AC, 60 Hz (± 10%)					
Power consumption (approx.)	3.7 W		3.5 W		2.5 W	
Weight (approx.)	1.6 kg (3.5 lbs.)	1.3 kg (2.9 lbs.)	1.6 kg (3.5 lbs.)	1.3 kg (2.9 lbs.)	1.6 kg (3.5 lbs.)	1.3 kg (2.9 lbs.)

NOTE: Specifications subject to change without notice.

Dimensions [Unit: mm (inch)]



Caution: Please consult the instruction manual to ensure safe and proper operation of the product.



DI Solutions Company of SANYO Electric Co., Ltd., obtained Quality Management System ISO 9001 and Environmental Management System ISO 14001 certifications.

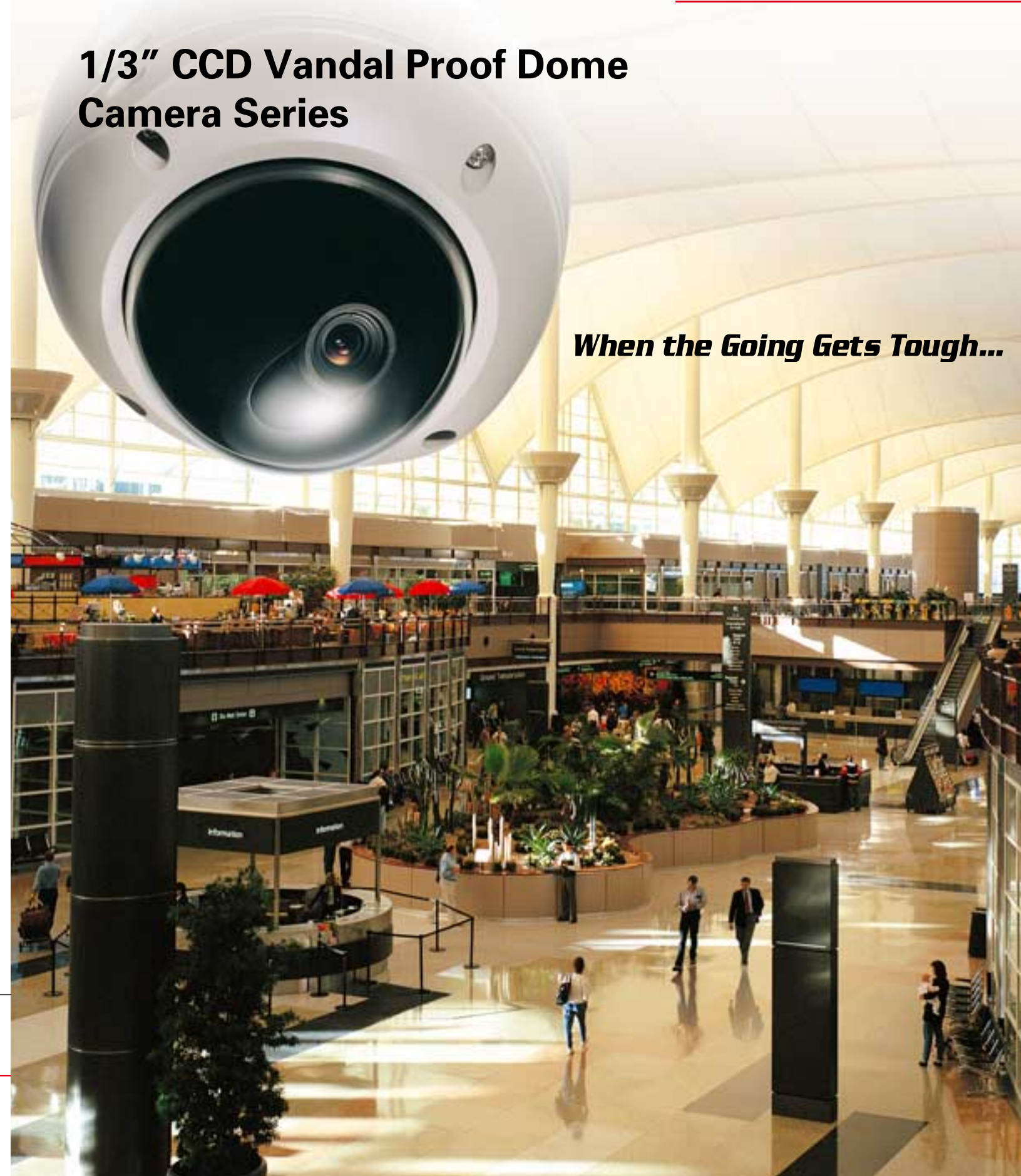
Distributed by:



SANYO Electric Co., Ltd.
www.sanyosecurity.com
 ©2004 SANYO Printed in Japan '04.2.MA.
 SMS077

1/3" CCD Vandal Proof Dome Camera Series

When the Going Gets Tough...



All-in-One Vandal Proof Dome Cameras: Meeting a Full Spectrum of Security and Surveillance Needs.

Designed to meet the challenge of hostile environments, a sextet of fully integrated units rounds out the spectrum of security and surveillance solutions on hand with SANYO's vandal proof dome camera series. Offering a selection of three camera types—high-resolution color, standard-resolution color or standard-resolution black and white—all featuring a high-performance 1/3-inch CCD and varifocal lens on a pan/tilt mount enclosed in a rugged dome housing.



Surface type

High-Resolution Color	VDC-C1174VA
Standard Resolution Color	VDC-C1124V
Standard Resolution B/W	VDC-M1124V

Rugged Enclosure

Tough Die-Cast Aluminum Housing

Enclosed in an exceptionally sturdy die-cast aluminum housing for durability under the most demanding conditions. Mounting screws feature a unique shape to protect against tampering using ordinary tools.

High-Impact Polycarbonate Dome

A polycarbonate dome is combined with the die-cast aluminum housing to provide a formidable defense against deliberate attacks intended to disable the camera.

IP66 Rated Enclosure

Protecting sensitive electronics and optics within, the enclosure safely meets the IP66 rating to provide a high-degree of protection against the ingress of debilitating water and dust.



In-ceiling type

High Resolution Color	VDC-C2174VA
Standard Resolution Color	VDC-C2124V
Standard Resolution B/W	VDC-M2124V

High-Performance Optics and Electronics

Three Types, Six Models

With DSP circuitry and high-performance 1/3-inch CCD image sensors, these cameras variously offer a range of resolutions and all feature a varifocal lens and automatic gain control, while the color models also feature an electronic shutter.

Built-In Varifocal Lenses

All models feature a 2x zoom varifocal (4 to 8 mm) lens and the high-resolution color models are also equipped with a DC-type auto-iris to accommodate variable on-site lighting conditions.

Image Processing

All models feature BLC for compensation of backlit conditions and color models also feature an extensive selection of white balance modes for truer color images.



Backlight compensation OFF



Backlight compensation ON

Note: Simulation of effect with color models.

Simple Set-up and Installation

Two Installation Types

Each vandal proof dome camera series model comes with everything you need for easy mounting and installation. Choose from two installation types: Surface or In-ceiling.

Adjustable Viewing Angle

Manual adjustment of the camera's viewing angle allows for 360 degree panning in the horizontal plane and 80 degree tilting in the vertical plane. The viewing angle is easy to adjust even after installation.



Runs on AC or DC Power

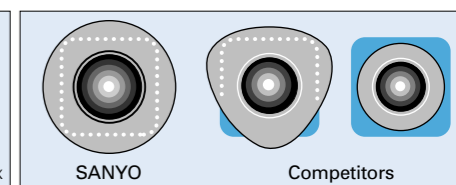
All vandal proof dome camera series models are operable on either 12 to 15 V DC or 24 V AC power sources. Depending on the power supply, they can be synchronized with other devices in a multi-camera system using internal sync or line lock.

Fits Double-Gang Electrical Boxes

With two mounting-hole patterns, the housing's back panel has holes for mounting to a NEMA-standard double-gang electrical box. Installation is made more efficient because no special parts or additional brackets are required.



Double-Gang Electrical Box
(Available from electrical supply outlets)



SANYO

Competitors

Dome Series Product Number System

Model No.	System	Housing	Resolution	Varifocal Lens	Auto Iris
VDC-C1174VA	Color	Surface mount	460 TV lines	Yes	Yes
VDC-C2174VA	Color	In-ceiling mount	460 TV lines	Yes	Yes
VDC-C1124V	Color	Surface mount	330 TV lines	Yes	No
VDC-C2124V	Color	In-ceiling mount	330 TV lines	Yes	No
VDC-M1124V	B/W	Surface mount	380 TV lines	Yes	No
VDC-M2124V	B/W	In-ceiling mount	380 TV lines	Yes	No
VDC-D1184VA*	Day/Night	Surface mount	520 TV lines	Yes	Yes
VDC-D2184VA*	Day/Night	In-ceiling mount	520 TV lines	Yes	Yes

*Please see other product literature for information regarding these models.