

FlexiDome® I and II Series Monochrome and Color Fixed Dome Cameras



Security Systems



- Fixed Cameras in 64-mm (2.5-inch) Domes
- 1/4-inch Format Standard and High Resolution
- Full range of color and monochrome models
- Available with 2.1 mm, 3 mm or 6 mm Lenses
- All Models with advanced DSP
- Backlight Compensation
- 24 VAC Supply with Line-Lock

The FlexiDome® I & II Series are fixed compact cameras in stylish surveillance domes: FlexiDome I for standard resolution and FlexiDome II for high resolution applications.

The high performance 1/4-inch monochrome or color CCD cameras come in a choice of 2.1 mm, 3 mm or 6 mm integral lenses for super-wide angle or standard view. Wide AC voltage ranges allow flexibility in both PAL and NTSC versions.

The FlexiDome I & II cameras are easily surface mounted on ceilings or walls to elegantly blend with their environment. The lightly tinted dome masks the camera without significant f-stop loss. With its 24 VAC supply and line-lock capabilities, this camera is not sensitive to the color interaction between the shutter and fluorescent lighting common to DC-supplied cameras.

Various configuration possibilities are available via the easily accessible switches for white balance, line-lock, phase adjustment, and backlight compensation. The camera's viewing direction can be manually adjusted, and the ball mounted construction ensures a stable camera view.

The backlight compensation and wide dynamic range, combined with the many other image enhancement features of the proprietary DSP ensure optimum contrast and a clear picture of the object at any time. Enhanced picture quality, true color reproduction, and outstanding reliability make these domed cameras an excellent choice for indoor applications in retail, casinos, museums, malls, and bank or hotel lobbies.

SPECIFICATIONS

Models: FlexiDome I

	Monochrome	Color	Lens type
	LTC 1311	LTC 1411	2.1 mm f/2.0
	LTC 1312	LTC 1412	3 mm f/2.0
	LTC 1313	LTC 1413	6 mm f/2.0

FlexiDome II

	LTC 1321	LTC 1421	2.1 mm f/2.0
	LTC 1322	LTC 1422	3 mm f/2.0
	LTC 1323	LTC 1423	6 mm f/2.0

ELECTRICAL

Model No.	Voltage Range	Mono/Color Systems
Monochrome		
LTC 131x/10, 132x/10	12 to 28 VAC or VDC	CCIR
LTC 131x/20, 132x/20	12 to 28 VAC or VDC	EIA RS-170

Color

LTC 141x/10, 142x/10	12 to 28 VAC or VDC	PAL B
LTC 141x/20, 142x/20	12 to 28 VAC or VDC	NTSC

Power is 2 W for all models.

Imager: Interline transfer CCD; 1/4-inch image format.

	FlexiDome I	FlexiDome II
Active Picture Elements:		
PAL/CCIR	500 H x 582 V	752 H x 582 V
NTSC/EIA	510 H x 492 V	768 H x 492 V

Horizontal Resolution:

Color	330 TVL	470 TVL
Monochrome	380 TVL	570 TVL

Signal to noise ratio (Min. AGC) >46 dB >48 dB

AGC 18 dB 20 dB

Sensitivity (3200 K):

	Usable Picture (50IRE)	Full Video
Monochrome		
Scene illumination fc:	0.05	0.25
lx:	0.5	2.5

Color

Scene illumination fc:	0.45	2.2
lx:	4.5	22

f/2 lens, 89.9% scene reflectance.

Electronic Shutter:

PAL/CCIR Models: 1/50 to 1/100,000 sec.

NTSC/EIA Models: 1/60 to 1/100,000 sec.

White Balance (Color Models Only):

Continuous Tracking (ATW): 2500 K to 9000 K.

White Balance Store (AWB): 2500 K to 9000 K.

Video Output: 1.0 Vp-p, 75 ohm.

Aperture Correction: Horizontal and vertical.

Synchronization:

Line-lock (When powered by AC): Synchronizes camera to power line zero crossing for roll-free vertical interval switching. Vertical phase delay can be externally adjusted (continuously) to allow vertical synchronization in multiphase power installations.

Controls:

Line-Lock: Selectable On/Off.

Phase Adjust Range: 330°

White balance: ATW or AWB (color models only)

Backlight Compensation: On/Off.

Connectors:

Video Out: BNC.

Power: Terminal block, power supply terminals are isolated from video output BNC.

MECHANICAL

Cable Entry: Internal connections.

Mounting:

Mounts on wall or ceiling.

Adjustable camera viewing position: 120° Horz;

120° Vertical; 360° Rotation.

Viewing angle: 2.1mm lens - 90° Horz., 68° Vert.

Viewing angle: 3mm lens - 53° Horz., 38° Vert.

Viewing angle: 6mm lens - 36° Horz., 27° Vert.

Construction/Finish: Polycarbonate (PC) dome on molded PC/ABS housing.

Dimensions: 115 mm (4.5 in) diameter x 77 mm (3 in) height.

Weight: 0.4 kg (0.9 lb).

ENVIRONMENTAL

Temperature:

Operating: -10 °C to +45 °C (+14 °F to +113 °F).

Storage: -25 °C to +70 °C (-4 °F to +158 °F).

Humidity: 0% to 93% relative, noncondensing.

Electromagnetic Compatibility

EMC Requirements: CE Immunity, CE Emission Class B, FCC Class B.

Safety: CE, UL, cUL.

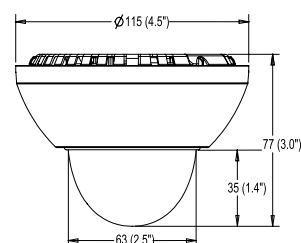
Accessories

TC1323 Power Supply: Input 120 VAC, 60 Hz,

Output 24 VAC 60 Hz 10VA.

TC220PSX-24 Power Supply: Input 220-240 VAC, 50/60 Hz,

Output 24 VAC 50/60 Hz 20VA.



Dimensions

BOSCH

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