

FlexiDome^{XT}



Security Systems



- Vandal Proof Camera in Aluminum Alloy Housing with Polycarbonate Dome
- Endures the Equivalent of 120 lbs of Force
- Integrated Varifocal Lenses For Use in Indoor and Outdoor Applications
- High Resolution Models monochrome and color
- Line-lock with Phase Adjustment

The FlexiDome^{XT} line of ruggedised fixed Dome cameras with Varifocal lens provides the ultimate solution for almost any security application. Featuring a full-featured camera/lens combination in a cast aluminum housing, polycarbonate dome, and hardened inner liner these units can withstand the equivalent of 120 lbs of force. In addition the FlexiDome^{XT} is water and dust protected to IP66, (Nema-4x).

The FlexiDome^{XT} series covers most camera/lens application. These cameras include a high-resolution color and monochrome camera with an integrated varifocal DC iris lens. All versions accept both AC and DC voltages. If AC is employed, the user can take advantage of its line-locking and phase adjustment capabilities. Backlight compensation can also be selected on all models.

In addition to the above features, the FlexiDome^{XT} series cameras come ready to use. They are supplied with a single gang electrical box adaptor plate. In case mounting on a solid wall or ceiling is needed, the optional connection box can be wired through the side of the housing via a standard 3/4-inch conduit opening or through the back. The FlexiDome^{XT} is an ideal replacement for traditional camera installations, while its sleek design and small, inconspicuous appearance allow for an attractive look that compliments most decors.

SPECIFICATIONS

Electrical

Model No.	Voltage Range	Systems	Power
LTC 1361/10	12 to 28 VAC, 60Hz or 12 to 28 VDC	B&W, CCIR	2 W
LTC 1361/20	12 to 28 VAC, 50Hz or 12 to 28 VDC	B&W, EIA	2 W
LTC 1461/10	12 to 28 VAC, 50 Hz or 12 to 28 VDC	PAL, color	2 W
LTC 1461/20	12 to 28 VAC, 50 Hz or 12 to 28 VDC	NTSC, color	2 W

Lens:

Integral 2.8–6 mm, F1.4 varifocal

Shutter:

Electronic Iris Shutter Range

All versions --- 1/50 or 1/60 to 1/100,000 sec

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

Horizontal Resolution:

Model No.

LTC 1361 Series: 570 TVL

LTC 1461 Series: 470 TVL

Sensitivity (3200 K): **50IRE** **Full Video**

LTC 1361 Series Illumination

Scene Illumination: fc	0.02	0.08
lx	0.2	0.8

LTC 1461 Series Illumination

Scene Illumination: fc	0.2	0.8
lx	2	8

at 89% scene reflection.

Signal-to-noise Ratio: 48 dB.

AGC: 18 dB

Electronic shutter: 1/50 (1/60) to 1/100,000 sec

White Balance (Color Models Only):

Automatic Sensing through the Lens (TTL System): 2500 K to 9000 K. Continuous (ATW) or Hold (AWB).

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.

Crystal-lock (When DC Supplied): Internal crystal reference is standard on all models.

Controls:

Automatic White Balance: On (ATW)/Off (AWB).

Backlight Compensation (BLC): On/Off.

Line-lock (LL): On/Off

Line Lock phase adjustment: 330°

Connectors:

Video Out: BNC.

Power: Stripped Leads.

Internal video monitor connector: 2.5 mm male mono audio connector.

MECHANICAL

Cable Entry: Through back, optional connection box available for side entry (3/4-inch conduit or 22 mm gland)

Mounting: On wall or ceiling using up to four screws.

Construction/Finish: Polycarbonate clear dome on cast aluminum housing.

Dimensions: 4.5 H 16.0 W in.

Weight: 500 g (1.1 lb).

ENVIRONMENTAL

Temperature:

Operating: -20 °C to +45 °C (-4 °F to +113 °F).

Storage: -40 °C to +70 °C (-40 °F to +158 °F).

Humidity: 0% to 90% relative, non-condensing.

Protection Level: IP 66 (NEMA 4x), when mounted.

Impact protection: IEC 60068-2-75 test Eh ≥ 50 Joules

EN 50102, exceeds IK10

Electromagnetic Compatibility

EMC Requirements: CE Immunity, FCC Class B.

Safety: UL, cUL, CE.

Options:

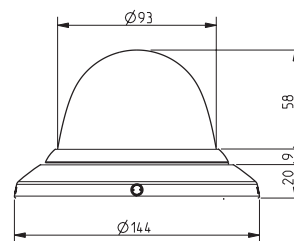
Connection box LTC 1347/00, for surface mounting with side entry.

Video service cable: S1460

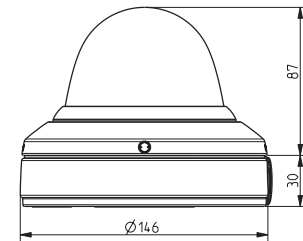
Accessories:

TC1323 Power supply: Input 120 VAC, 60Hz, Output 24VAC 60Hz 10VA

TC220PSX-24 Power supply: Input 230 VAC, 50Hz, Output 24VAC 50Hz 20VA



Dimensions



with LTC 1347/00 connection box

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