PARADOX™

HD78/F

Event-Driven Indoor Security IP Camera/Detector
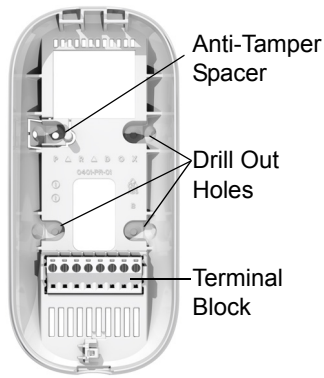
Installation Manual V1.0

Introduction

The HD78/F Event-Driven Indoor Security IP Camera combined with its Security Detector provide video/audio solution for security systems. It provides day/night vision at 720P and Hi-Fi audio recording, with over 40 minutes of internal event-recording capacity.
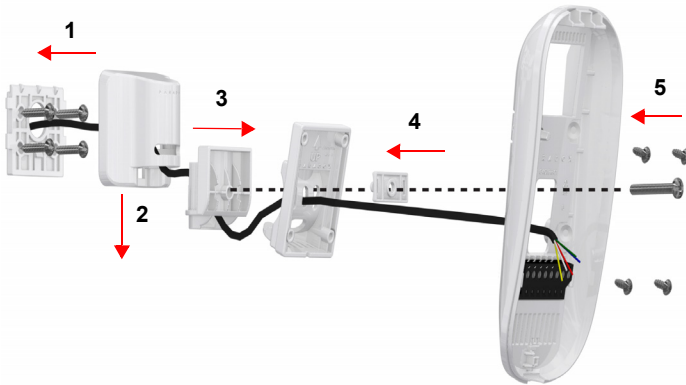
Installing the HD78

Unscrew and remove cover

Mount back on wall or bracket

- Anti-Tamper Spacer
- Drill Out Holes
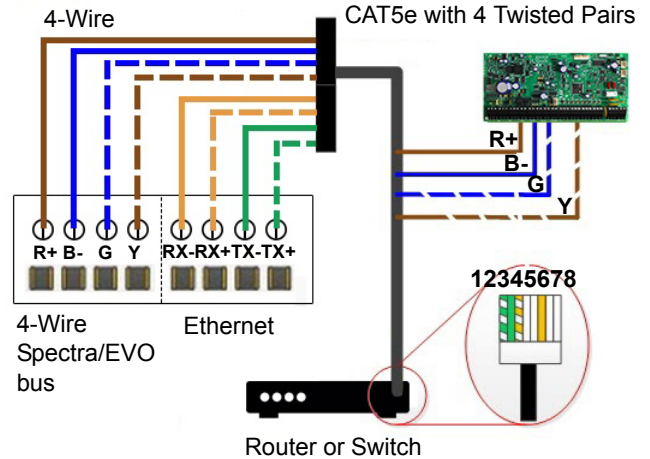- Terminal Block
- Lock

Bracket Mount

HD78F - Connect Via Wi-Fi with Insite App

HD78 - Bus Wiring and / or Ethernet (HD78)

Wiring Using a CAT5e Cable

Wire the HD78/F camera with a single CAT5e or higher cable including two twisted pairs for the 4-wire bus and two twisted pairs for the Ethernet lines. The maximum CAT5e cable length is 50 meters.
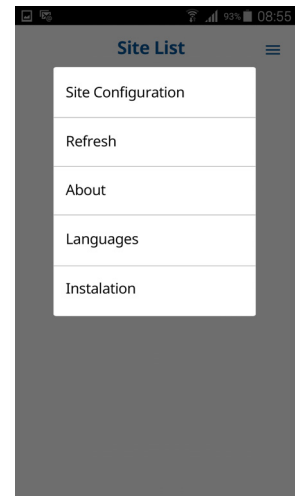

4-Wire

CAT5e with 4 Twisted Pairs

R+ B- G Y   RX-RX+TX-TX+

4-Wire Spectra/EVO bus   Ethernet

R+
B-
G
Y

12345678

Router or Switch

Recommended Wiring Assignment		Ethernet Connector	
Bus Label	**Wire Color**	**Ethernet Wire Assignment**	**Wire Color**
R+	Brown	1	Green Striped
B-	Blue	2	Green
G	Blue striped	3	Orange Striped
Y	Brown striped	4	
RX-	Orange	5	
RX+	Orange striped	6	Orange
TX-	Green	7	
TX+	Green striped	8	

Programming

Connect Power, Open Tamper

1. HD78F - Activate hotspot on your Android device.
2. HD78/F - Launch the Insite App.
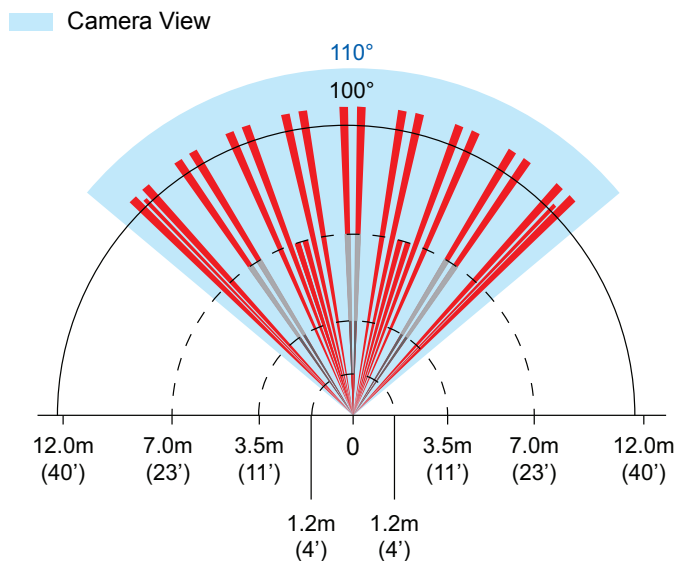3. Go to menu, select installation.
4. Follow screen instructions.

Site List

- Site Configuration
- Refresh
- About
- Languages
- Instalation

PARADO
KEEPING MY FAMILY SAFE

paradox.com

LED Status Indicators

Other than PIR detection, LEDs are active when lock mechanism is open.

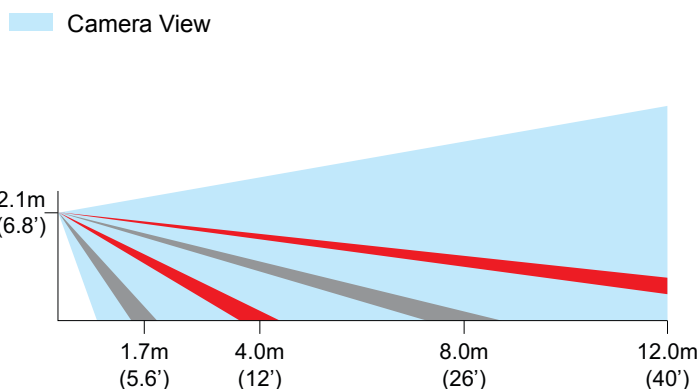| LED	Functionality	LED Display
TX	Digiplex/Spectra Data TX	Flashing green: Data transmission Off: No data transmission
RX	Digiplex/Spectra Data RX	Flashing green: Data reception Off: No data reception
▲	Firmware upgrade in progress.	Flashing purple
	VOD*	Blue on
	Power-up	Flashing blue
	Locate mode	Flashing blue
	No connection to panel bus	Flashing red
	Bus low power	Flashing red
	PIR detection	Red on for 3 seconds
🌐	Active Wi-Fi	Green on
🖧	LAN 10/100Mb link	Green on: LAN active

*VOD On/Off LED is controlled by the Master **ONLY**, using the Insite GOLD application.

PIR Detector Beam Patterns

Top View

Camera View

110°
100°

| 12.0m (40') | 7.0m (23') | 3.5m (11') | 0 | 3.5m (11') | 7.0m (23') | 12.0m (40') |

1.2m (4')   1.2m (4')

Side View

Camera View

2.1m (6.8')

| 1.7m (5.6') | 4.0m (12') | 8.0m (26') | 12.0m (40') |

Technical Specifications

Voltage Input	Nominal: 12VDC, range 9-16VDC
Current Consumption Max	350mA Max - IR illumination ON 250mA Nominal - IR illumination OFF Battery operation - 100mA
PIR Type	Quad PIR, auto pulse, dual edge, digital detector
Dimensions / Weight	H x W x D: 15 x 7.1 x 6cm (6 x 2.8 x 2.4in) / 163g (5.75oz)
Operating Temperature	-20° C to +40° C (-4° F to 104° F)
Compliance	EN 50131-2-2 Grade 2 Environmental Class II
Installation Height	2.1m - 2.7m (7ft - 9ft)
Compatibility	SP5500, SP6000 and SP7000