

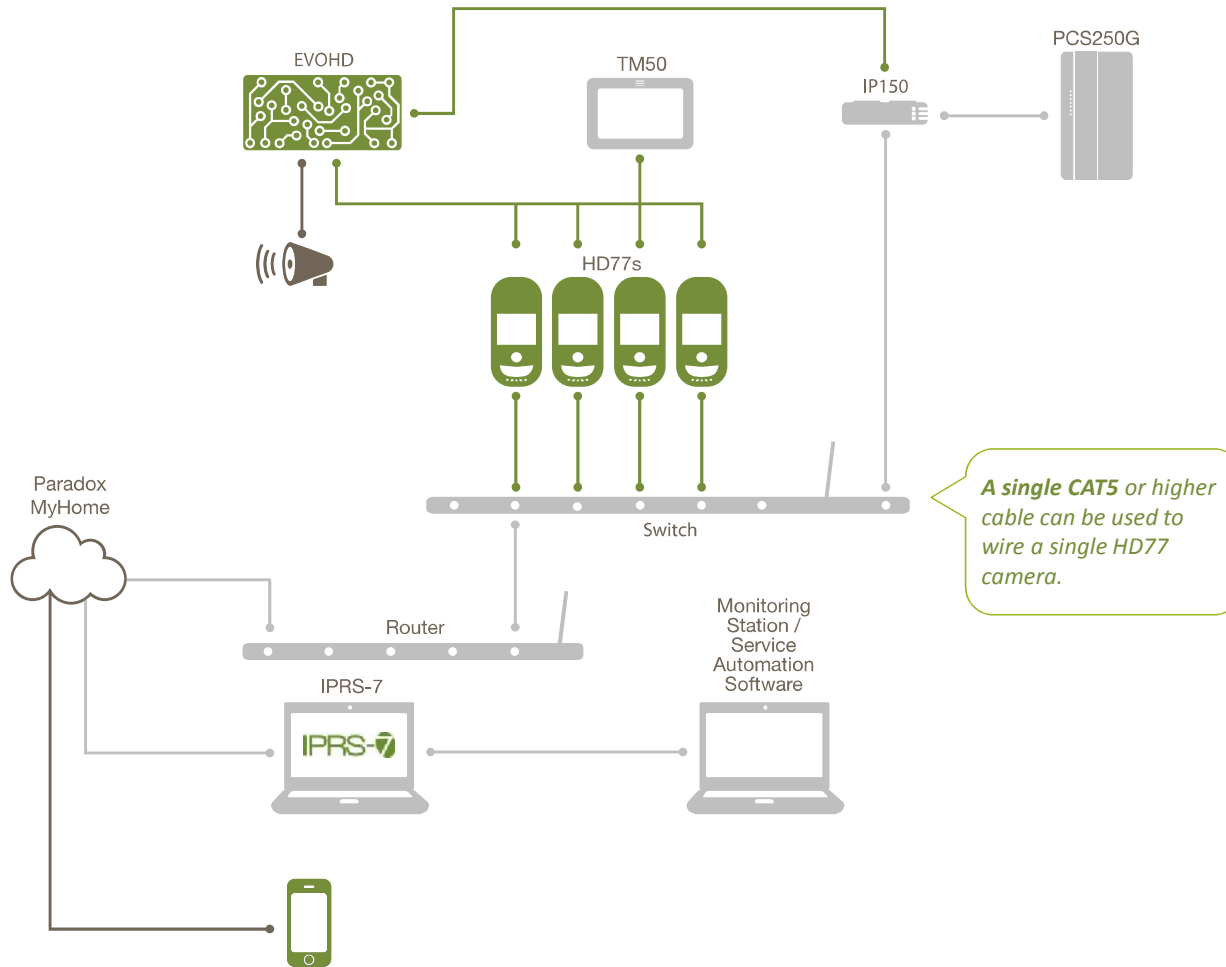
P ▲ R ▲ G ▲ D O X™

Paradox *Insight*™

Designed for your lifestyle



The Paradox Insight™: The Big Picture

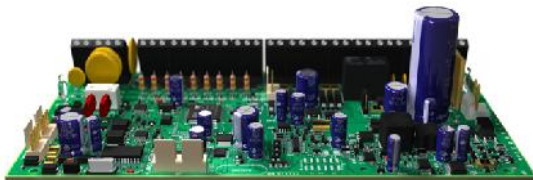


HD77 Features

- **Camera Detector Module**
 - HD 720p camera
 - Quad PIR with auto pulse, auto dual-edge digital detector
 - Protects areas of 12 m x 12 m (40 ft x 40 ft)
 - Night visibility for up to 8 m (26 ft)
 - The camera views & records in full HD color 720p resolution when lighting permits
 - For low & zero light conditions the camera has Illumination IR for video capture in Black and White mode
- **Object identification** at 10 meters (33 ft)
- **Face identification** at 4 meters (13 ft)
- **High quality microphone**
- **4GB micro SD card** (1.4GB space for recording video)
- Security of a wired **Digiplex bus**



Paradox KIT



HD77 Features

- **Event Notification**
 - Email notification to authorized users and monitoring station
 - 10 x JPEG stills (3 pre-event and 7 JPEGs at one second intervals)
 - 360p encrypted 10 second video with 3 second pre-recording
 - A link to a 720p 10 second video with 3 second pre-recording
- **Share live streaming videos** (max.2 hours) via email with up to 4 recipients
- **Record on Motion** (ROM) is activated every time the motion detector is triggered. Video is recorded for 10 seconds
- **Record on Demand** (ROD) is activated by user. Video is recorded for 2 minutes
- **Record on Trigger** (ROT): Recording is done based on alarm received from up to 4 different detection devices (zones), (e.g. opening a door can trigger recording)



HD77 Comparison of features

For internal use only

Category	Paradox Insight HD77	Competitor 1 (Visonic)	Competitor 2 (Essence)	Competitor 3 (RSI)	Competitor (Risco)
Audio	16KHz/16Bit	Yes	None	None	None
Image Output (on alarm)	Video Stream 640 × 360 HD video: 1280 × 720 10 jpegs per alarm	Motion JPEG QVGA: 320x240	1Motion JPEG VGA/QVGA: 640 × 480	Motion JPEG; snapshot QVGA 320x240 VGA: 640 × 480	Motion JPEG QVGA: 320x240 VGA: 640 × 480
Video on Demand (VOD)	Unlimited viewing time	Motion jpeg	Motion jpeg (limited time)	Motion jpeg OR Snapshot only for CMS	Motion jpeg
Night Vision	Camera w/ IR illumination	Camera w/ IR illumination	Camera w/ White LED Flash	Near visible IR LEDs	IR LED Flash
Camera Range	12m (40ft)	12m (40ft)	10m (33ft)	12m (40ft)	10m (33ft)
Viewing Angle	100°	90°	67°	110°	85°
Frame Rate	10fps	2fps	5fps (can go up to 15 fps but Image quality is limited due to low bit RF link – 38kbps)	5fps	3-7 configurable
PIR Type	Quad PIR element	Dual PIR element	Dual PIR element	Dual PIR element	Dual PIR element

EVOHD Features

- Constant power, supervision, and two-way communication between the control panel and all of its modules
- Manage up to 4 x HD77s
- 5 PGMs (3 solid state relays)
- Battery backup
- 4 wire proprietary Digiplex combus
- 16 Vac input
- 12 Vdc board voltage and Digiplex bus voltage
- PSTN connections for phone line interface
- Serial port: used for connection of 307USB, IP150 or PCS250/G
- Optional VDMP3 voice module
- Integrated tamper reporting



EVOHD Control Panel

Robust to support enhanced security capabilities

Support
all EVO192
parameters
and more

Power Supply Improvements

- New 2.5A internal power supply
- Improved auxiliary output (2A)
 - Support 4 x HD77
 - Shutdown at 2.5A
- Fixed Load on DC – no Bus drop on BAT test
- 1.5A battery charger totally separated and independent of main power supply
 - Battery charger much faster – 7AH in 6hr

Paradox Insight App Movie

Unlimited live
HD video &
audio streaming
anytime,
anywhere



Insight Mobile app

Protect and manage from your smartphone

Manage
the entire
system
from your
smartphon
e

- Unlimited live video on demand
- Capture and view video clips (ROD)
- Email & Camera users management
- File management
- Panel management
(Status, Arm / Disarm, Bypass, PGMs)
- Enabled panic triggering
- Build a security network of up to 8 people
to receive notifications
- Monitor & control multiple locations from one
Insight app
- View alarms & alarm history



Central Monitoring Station (CMS)

- Verify the alarm within seconds of the event - CMS gets feeds from the system for each alarm (10 seconds of video)
 - 360p video with audio
 - 10 JPGs 1 per second 3 pre-alarm and 7 post alarm
- Images sent to CMS include only those from actual alarm events
- The CMS can be allowed 15 minutes of video after an alarm only with configuration by the master
- IPRS7 (CMS software) – Easy and intuitive software to remotely connect to customers' secured locations.
 - An unlimited number of accounts can be registered via IP or SMS
 - IPRS-7 can display and help the CMS to manage up to 50,000 video and alarm events to achieve an effective response
 - Free SDK enables CMS automation software to receive both video and alarm for efficient event reporting



Communication Module IP150

IP150

IPRS-7

Touchpad / Keypad

PCS250/G

IP150 communications Internet module

- Ethernet port to connect to the Internet
- Serial connector to connect to EVOHD panel
- Allows you to connect a laptop to the EVOHD panel through the Internet
- Receive SSL encrypted email notifications anywhere in the world when your system detects activity

Receiver module IPRS-7

IP150

IPRS-7

Touchpad / Keypad

PCS250/G

- IP / GPRS PC Receiver Software
- Supports SMS registration and reporting protocol through commercial GSM / GPRS modem
- Converts incoming IP signal from a Paradox communication device to ADEMCO 685, SURGARD MLR2-DG, or RADIONICS 6500 and sends via PC communication to a monitoring software

Touchpad / Keypad

IP150

IPRS-7

Touchpad / Keypad

PCS250/G

- Multi language programmable
- Panic buttons
- SpotON locator
- OneScreen monitoring

TM50 Touch-pad

- System Arm / Disarm
- Compatible for configuring all other Paradox components through the touchpad
- Personalization



PCS250/G

IP150

IPRS-7

Touchpad / Keypad

PCS250/G

- Empowers Paradox Insight™ with the ability to send alarm notifications via SMS/text messages
- Can be used as a backup to a traditional landline, or as a primary communicator where no landline is available.
- In GPRS mode, messages are secured with 128-bit (MD5) and 256-bit (AES) encryption (PCS250G only)

Requirements for a Full System

- Internet connection w/ minimum upload speed of .5Mb/s
- Router with at least 5 available hardwired physical connections (Ethernet connections)
- Router with enough ports to connect all of the cameras plus 2 more ports
 - If the router does not have enough ports you will also need a switch
 - Each HD77 port will need to be reserved (or bound) for its camera
 - Each HD77 in the system will have a different IP address
 - Each IP address will need port forwarding to two ports of its IP address
 - One to <IP address>:80 and one for <IP address>:443
- PMH account (for registration of the HD77 for access through the APP)
 - One PMH account is enough to accommodate sites for all of your customers
- Applicable with iPhone iOS 6 or higher & Android V. 4.1 or higher

Tools and Software Requirements

Additional tools and softwares

- A laptop With Windows XP or 7
- A connection from laptop to the system either by: 307USB cable to connect to the EVOHD serial port or IP150 Internet module

Softwares

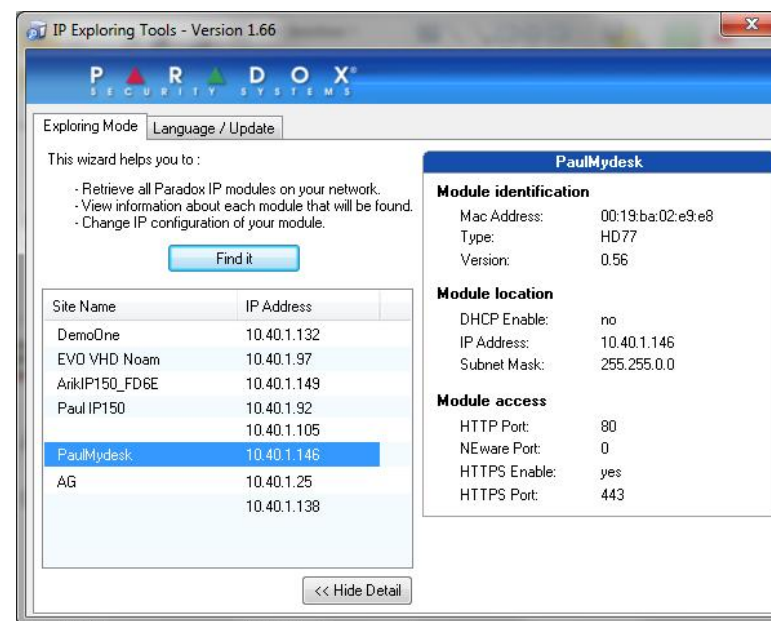
- BabyWare Installer software V2.5 or higher (downloadable from paradox.com)
- Paradox IP Exploring Tool V1.69 or higher (downloadable from paradox.com)
- Paradox InSight App (downloadable from iTunes)
- CMS will need IPRS-7 version 4 or above

** Make sure the CMS receives reports through an IPRS-7

Installer Software

IP Exploring Tool

- Identifies each Paradox component connected to your network
- Gives you the:
 - IP address
 - Subnet mask
 - Port
 - Device type (V1.69)



ParadoxMyHome Site

The **ParadoxMyHome** site is a DNS site that allows you to register your Paradox IP module for easy access to sites with a Dynamic IP address

- Registration site for systems with HD77 detector / cameras
- Installers need to be registered with a login username and password
- Each of your installations will have a ParadoxMyHome SiteID

Paradox Insight™ Installation

In just 7 steps...

1. Install the EVOHD and HD77
2. Program the HD77 into the EVOHD system
3. Register the system to the ParadoxMyHome DNS Server
4. Add the HD77 camera to the ParadoxMyHome site
5. Configure the HD77 network IP and ports
6. Install the mobile application on your SmartPhone
7. Use your SmartPhone to view and interact with the HD77

Compatible Paradox Components

- ➡ GPRS / IP Receivers
- ➡ Communication Modules
- ➡ Touchpads / Keypads
- ➡ Access Control
- ➡ Zone Expansion
- ➡ Motion Detectors
- ➡ Wireless components
- ➡ Accessories

Accessories

- 307USB: Direct Connect Interface up to 300 ft.
- CV4USB: RS-485/RS-232 Converter
Direct Connect Interface up to 1000 ft. (300 meters)
- HUB2: Hub and Bus Isolator