



LH0412W, LH04141TC2W, LH04141TC2WP



LH0414WB, LH04141TC4W, LH04141TC4WP

## WIRELESS CONVENIENCE, HIGH DEFINITION QUALITY

Experience crystal clear HD 720p video day or night. No need to run video cables - experience true peace of mind with reliable wireless video you can view anywhere on your smartphone, tablet, PC or Mac.



4	2 OR 4	1TB	HDD	HD 720P	120/80	FT
Channels	Cameras				37/28	M Night Vision

## DVR FEATURES:

- HD 720p recording resolution <sup>1</sup>
- Tablet / smartphone viewing and playback <sup>2</sup>
- Lorex Stratus Connectivity – 3 step setup <sup>2</sup>
- HDMI cable included for simple connection to HDTVs
- Record to included security grade hard drive with no recurring fees
- H.264 video compression offers reduced file size and network strain for remote viewing
- Continuous, scheduled, and motion recording
- Pentaplex operation – view, record, playback, back up & remotely control the system simultaneously
- Dual video outputs (HDMI and VGA) to connect multiple monitors
- Advanced mobile apps with live viewing, playback & video recording <sup>3</sup>
- PC and Mac compatible
- Instant email alerts with snap shot attachment
- Accurate time stamps with NTP & Daylight Savings Time
- Automatic firmware upgrades over the Internet ensures your system is always up to date <sup>3</sup>





LWU3622



LWU3624



## VIEW YOUR WORLD IN HD 720p

Protect what matters most with wireless cameras featuring high definition 720p resolution. Compliment your home or business security with extended range and flexibility. Save time and money on setup with easy-to-install wireless cameras.

**720<sub>P</sub>**  
Resolution

**IP66**  
Weatherproof

**120/80<sub>FT</sub>**  
**37/28<sub>M</sub>** Night Vision

## WIRELESS SYSTEM FEATURES:

- HD 720p wireless video with H.264 compression <sup>1</sup>
- SignalGuard Technology continuously monitors the wireless signal and automatically reconnects upon detecting low signal strength
- Next generation adaptive Frequency Hopping Spread Spectrum (FHSS) technology greatly reduces conflicts with competing signals
- IR cut filter achieves accurate color reproduction in varying lighting conditions
- Long Range night vision range up to 120ft (37m) / 80ft (28m) <sup>2</sup>
- Simple installation. No video cable required <sup>3</sup>
- Weatherproof (IP66) camera and power connectors for outdoor or indoor installation <sup>4</sup>
- High gain antennas provide up to 160ft (50m) indoor / 500ft (152m) outdoor wireless range <sup>5</sup>
- Vandal resistant camera design with cable pass-through mounting brackets
- Weatherproof receiver can be installed outdoors for improved range



### SYSTEM

Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	<b>4 channels</b>

### Inputs/Outputs

Video IN	None (wireless)
Video OUT	1 x HDMI, 1 x VGA
VGA OUT	Yes
HDMI	Yes
Audio IN	None
Audio OUT	None
USB Port	2 x USB (one at front and one at back panel)
Alarm IN	Alarm IN not supported
Alarm OUT	Alarm OUT not supported
Video Output Resolution	1920 x 1080 (HDMI), 1440 x 900, 1280 x 1024, 1280 x 720, 1024 x 768
PTZ control	PTZ cameras not supported

### Display

Live Display	1, 4
Live Display Speed	60 NTSC, 50 PAL
System Navigation	USB Mouse, IR Remote Controller
Motion Area Setting	None
Sensitivity levels	3
Firmware Upgrade	Automatic over the Internet & via USB device and Network
User Authority	By user group
Time Synchronization	Auto time sync by NTP server

### RECORDING

Video Compression	H.264
Audio Compression	None
Recording Resolution Setting	NTSC: 1280x720 (720p) PAL: 1280x720 (720p)
Recording Quality Control	3 levels
Recording Schedule	By hour, by day, by recording mode, by motion, by ch
Pre Recording	Max. 10 Secs
Post Recording	Max. 5 Minutes
Reliability	Watch-Dog, Auto-recovery after power failure
Covert Video	No

### PLAYBACK

Playback Channel	1~4 Adjustable
Playback Speed	Variable Max 16x
Playback Players	Backup Player
Search	By time & event
Log Search	Up to 1,0,000 lines for system, configuration changes, motion/alarm detected, account, record and storage
Audio Play	No

### STORAGE & ARCHIVE

Storage	Up to 1 HDD's (SATA)
Maximum Capacity	up to 4TB
Backup Media	USB flash drive & USB external HDD
Backup File Format	H.264 file (AVI generator included)

### CONNECTIVITY

Cloud Connection	Lorex Stratus Connectivity
Supported Operating Systems	<b>Windows™</b> <b>Mac OS X</b>
Remote Software	Client Software (PC) & Safari (Mac)
Email notification	Text with snapshot
Instant Smart Phone	iPad®, iPhone®, Android™
DDNS	Free Lorex DDNS
System Configuration	Full setup configuration over network
Ports	Programmable by User
Network Protocol	TCP/IP / DHCP / UDP / DDNS / PPPoE
Network Interface	10/100Base-TX, RJ-45
Network Speed Control	48Kb ~ 8MB/sec.

### GENERAL

Power Consumption	Approx. 10 watts (no HDD included)
Supply Voltage	100VAC-240VAC, 12VDC, 2A, 50/60Hz
Unit Dimensions	11.8" x 8.7" x 2.0" 300mm x 220mm x 50mm
Unit Weight	1kg / 2.2lbs
Operating temperature	32° ~ 104° F / 0° ~ 40° C
Humidity	10 ~ 90% RH

### RECORDING RESOLUTION (PIXELS) & SPEED (FPS - FRAMES PER SECOND)

	FPS	720p Mode 1280x720
<b>4ch</b>	Total	52
	Per channel	13

### General

TX Frequency Range	2.400GHz~2.480GHz
TX Power	16dBm
Unobstructed Effective Range	165ft (50m) indoor, 500ft (152m) outdoor
Data Rate	4 Mb/s
Modulation	GFSK
Spread Spectrum	FHSS
Operating Temperature Range	14°F ~ 122°F / -10°C ~ 40°C

### Wireless Camera

Image Sensor Type	1/3" Color CMOS Image Sensor
Effective Pixels	H: 1280 V: 720
Image Compression	H.264
Image Resolution	HD (1280x720)
Lens	3.6mm F2.0
Field of View (Horizontal)	72°
AGC	On
Power Requirement	12V DC +/- 10%
Power Consumption	375mA Max with IR LED 160mA Max without IR LED
Environment Rating	IP66
IR LED Quantity / Type	18 pieces / 850nm
Night Vision Range	120ft (37m) / 80ft (28m)
Built in Auto IR Turn On / Off	CdS Drive Auto IR LED turn On/Off Circuit
Dimensions (W x D x H)	71 x 223 x 74mm / 2.8 x 8.8 x 2.9" (with antenna and sunshade)
Weight	0.3kg / 0.6lbs

### Wireless Receiver

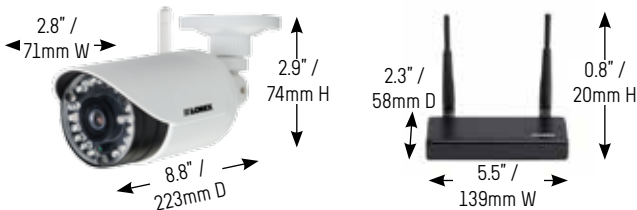
RX Sensitivity	-81dBm
Demodulation	GFSK
Data Rate	4 Mb/s
Supported Resolution	HD (1280x720) up to 15 frames per second
Termination	USB
Power Requirement	5V DC +/- 5%
Power Consumption	600mA Max
Operating Temperature Range	14°F ~ 122°F / -10°C ~ 40°C
Dimensions (W x D x H):	139 x 58 x 20mm / 5.5 x 2.3 x 0.8" (with antenna attached)
Weight:	0.1kg / 0.3lbs

### DVR:

### Inputs & Outputs



### Wireless System:



### Product Information:

MODEL	CONFIGURATION	PACKAGE	W x D x H Inches & mm	WEIGHT	CUBE	UPC Code
LH0412W	4 ch HD DVR (LH04141T) with 1TB HDD & 2 x Wireless HD Security Cameras (LWU3622)	Universal Retail Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	3.3kg/7.4lbs	0.02cbm / 1.09cbf	6-95529-00463-1
LH04141TC2W	4 ch HD DVR (LH04141T) with 1TB HDD & 2 x Wireless HD Security Cameras (LWU3622)	Universal Retail Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	3.3kg/7.4lbs	0.02cbm / 1.09cbf	6-95529-00448-8
LH04141TC2WP	4 ch HD DVR (LH04141TP) with 1TB HDD & 2 x Wireless HD Security Cameras (LWU3622)	Universal Retail Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	3.3kg/7.4lbs	0.02cbm / 1.09cbf	6-95529-00520-1
LH0414WB	4 ch HD DVR (LH04141T) with 1TB HDD & 4 x Wireless HD Security Cameras (LWU3624)	Brown Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	TBD	0.02cbm / 1.09cbf	6-95529-00462-4
LH04141TC4W	4 ch HD DVR (LH04141T) with 1TB HDD & 4 x Wireless HD Security Cameras (LWU3624)	Universal Retail Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	TBD	0.02cbm / 1.09cbf	6-95529-00449-5
LH04141TC4WP	4 ch HD DVR (LH04141TP) with 1TB HDD & 4 x Wireless HD Security Cameras (LWU3624)	Universal Retail Box	392mm x 279mm x 285mm/ 15.4" x 11.0" x 11.2"	TBD	0.02cbm / 1.09cbf	6-95529-00521-8
<b>DVR INCLUDES</b>	Pre-Installed HDD, HDMI Cable, Ethernet Cable, Power Adapter*, Remote Control, Mouse, Quick Setup Guide. *LH04141T - NA Power Adapter. LH04141TP - EU/UK Power Adapter.					
<b>LWU3624 INCLUDES</b>	4 x Wireless Cameras, 6 x Antenna's, 1 x Wireless Receiver, 4 x Power Adapters, Mounting Kit, Quick Start Guides.					
<b>LWU3622 INCLUDES</b>	2 x Wireless Cameras, 4 x Antenna's, 1 x Wireless Receiver, 2 x Power Adapters, Mounting Kit, Quick Start Guides.					

### DVR Disclaimers:

- Compatible with Lorex 720p HD wireless cameras only. Cameras sold separately. For a list of compatible cameras, please visit [www.lorextechnology.com/support](http://www.lorextechnology.com/support).
  - Requires a high speed Internet connection and a router (not included). An upload speed of 1Mbps is recommended for the best video performance. Up to 3 devices may connect to the system at the same time. For the latest compatibility list check [www.lorextechnology.com](http://www.lorextechnology.com) as new models become available in the market.
  - Both firmware and software must be updated to latest version to ensure remote connectivity. Firmware updates are pushed to the DVR automatically over the Internet. Always update to the latest software (available at [www.lorextechnology.com](http://www.lorextechnology.com)) after upgrading the DVR firmware.
- \* Number of Channels / Cameras / Accessories / HDD (hard disk drive) capacity may vary by model. Check your package label for specific content information.

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### Wireless Disclaimers:

- Compatible with Lorex LH050/LH040/LH041 series DVRs only.
- Stated IR illumination ranges are based on ideal conditions in typical outdoor night time ambient lighting and total darkness. Actual range and image clarity depends on installation location, viewing area and light reflection/absorption level of object.
- Camera and receiver requires a wired connection to an electrical outlet (power adaptors included).
- Not intended for submersion in water. Installation in a sheltered area required.
- Maximum wireless transmission range. Actual range dependent upon building materials and other obstructions in path of wireless signal. Install receiver outdoors for best performances.