



**RL161HD5GB5GM21-4T**  
*Specification Sheet*



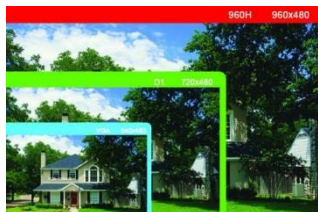
## Features

- View, Record, Search, Remote Access and Backup video simultaneously with PentaPlex.
- Networking and setup are made convenient via EZ Link, three-step automation.
- REVO Quickconnect Cables make installation a snap. One cable handles everything: video, audio and power.
- Be notified of events that occur via Email, Twitter, Push Notification and more. Email includes Video Clip attachment of the incident.
- With Smartphone support, you can use your REVO system from virtually anywhere at any time.
- Equipped with 960H technology, the resolution of the system is augmented an additional 34%!
- 3.6mm lens provides wide angle view; cameras cover a wider area.
- Microphones built into our cameras enable an additional layer of surveillance: the ability to listen in on situations where others can only watch.

## Contents

- *16 Ch. 1TB 960H DVR with 12 Quickconnect (RJ12) and 4 BNC Ports*
- *700 TVL Indoor/Outdoor Bullet Camera with 100' Night Vision (5)*
- *700 TVL Indoor Dome Camera with 100' Night Vision (5)*
- *21.5" LED Monitor*
- *Wired Mouse*
- *Remote Control*
- *60' RJ12 Cables (10)*

## Features



### Super High Resolution

Ultra-high quality cameras and cutting edge 960H DVR deliver unrivaled video quality that is sure to please



### Day/Night Mode

ICR technology intensifies both day and night time performance. Daytime colors appear vivid and beautiful; night vision appears bright and clear.



### Remote Viewing

Monitor your cameras anywhere, anytime! In a few simple steps, REVO EZ Link instantly networks your DVR to view on your portable devices.



### Instant E-Mail Notification

Motion detection is adjustable with varying sensitivities. Maximize hard drive space and receive email alerts when motion is detected.



### Motion Detection

Motion detection is optimized with varying sensitivities. Maximize hard drive space and receive email alerts when motion is detected.



### Customer Service

Our top priority is your satisfaction. Customer Service representatives are here to make sure you get the most out of your REVO system.

*Advanced. Intelligent. REVO.*  
[www.revoamerica.com](http://www.revoamerica.com)

<b>RL16DVR1H</b>	
<b>VIDEO</b>	
Signal Format	NTSC or PAL
Video Input	12 RJ-12, 4 BNC, 1 Vp-p, auto-terminating, 75 Ohms
Monitor Outputs	HDMI: 1 VGA: 1 BNC: 1
Video Resolution	HDMI: 1920x1080 VGA: 800x600, 1024x768, 1280x1024, 1440x900, 1920x1080
Record Speed (images per second)	480fps (NTSC), 400fps (PAL) @ 960H
Playback Speed (images per second)	30fps (NTSC), 25fps (PAL)
<b>INPUTS/OUTPUTS</b>	
Alarm Input	16 terminal, programmable as NC or NO, 2.4V (NC) or 0.3V (NO) threshold, 5VDC
Alarm Output	1 relay output, terminal blocks, 1A@30VDC (NO)
Internal Buzzer	80dB at 10cm
Network Connectivity	10/100Mbps, 1Gbps Ethernet (RJ-45)
Audio Input	RJ-12 Input: 12 Line In
Audio Output	BNC Output: 1, Line Out
<b>CONNECTORS</b>	
Video Input	12 RJ-12 (12V , Max. 410mA) and 4 BNC
Monitor Output	HDMI: 1 VGA: 1 BNC: 1
Audio In	12 RJ-12 connector
Audio Out	1 RCA connector
Alarm Input/Output	Terminal Blocks
Ethernet Port	RJ-45
RS485 Serial Port	Two-connector terminal block
IR Port	1 Remote Control
USB Port	2 (USB 2.0)
<b>STORAGE</b>	
Primary Storage	SATA hard disk drive
Secondary Storage	USB flash drive
<b>GENERAL</b>	
Dimensions (WxHxD)	13.4" x 2.6" x 9.1" (340mm x 65mm x 230mm)
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Operating Humidity	10% to 90%
Power	12V , 5A

<b>RCBS30-3</b>	
Image Device	1/3" Color Image Sensor
Picture Elements	NTSC: 960(H) x 480 (V)
Resolution	700 TVL
Min. Illumination	0 Lux (IR On)
S/N Ratio	More than 48 dB
Electronic Shutter	NTSC:1/60S~1/100,000S
Gamma	0.45
Sync System	Internal
Lens Furnished	Board Lens
White Balance	Auto
Gain Control	Auto
Video Output	1 Vp-p/ 75 Ohms
Power Supply	DC12V±10%
Power Consumption (Off)	90mA max.
Power Consumption (On)	300 mA max.
<b>Infrared Illuminator Module</b>	
Infrared Luminary	30IR LED
Illuminant Distance	31m
Wavelength	850nm
Power Supply	DC 12V±10%
Power Consumption	4W
<b>System Device</b>	
Operating Temp.	-10°C to 50°C (14°F to 122°F)
Operating Humidity	0%RH~70%RH
Storage Humidity	0%RH~85%RH
Dimensions	φ 55mm

<b>RCDS30-3</b>	
Image Device	1/3" Color Image Sensor
Picture Elements	NTSC: 976(H) x 494 (V)
Resolution	700 TVL
Min. Illumination	0 Lux (IR On)
S/N Ratio	More than 48 dB
Electronic Shutter	NTSC:1/60S~1/100,000S
Gamma	0.45
Sync System	Internal
Lens Furnished	Board Lens
White Balance	Auto
Gain Control	Auto
Video Output	1 Vp-p/ 75 Ohms
Power Supply	DC12V±10%
Power Consumption (Off)	90mA max.
Power Consumption (On)	300 mA max.
<b>Infrared Illuminator Module</b>	
Infrared Luminary	30IR LED
Illuminant Distance	25m
Wavelength	850nm
Power Supply	DC 12V±10%
Power Consumption	4W
<b>System Device</b>	
Operating Temp.	-10°C to 50°C (14°F to 122°F)
Operating Humidity	0%RH~70%RH
Storage Humidity	0%RH~85%RH
Dimensions	φ 141x84(H)mm

<b>RM215</b>			
		<b>18.5</b>	<b>21.5</b>
LCD Type	Type	18.5" Diagonal AM-TFT	21.5" Diagonal AM-TFT
	Pixel pitch (mm)	0.3(H) x 0.3 (V)	0.248(H) x 0.248(V)
	Brightness	250cd/m <sup>2</sup> (Typical)	
	Contrast ratio	1000:1 (typical)	
	Viewing angle	170 <sup>0</sup> /160 <sup>0</sup> (H/V)	
	Response time	5ms (Typ., on/off)	
Resolution (H x V)		1366x768 @60Hz	1920x1080 @60Hz
Frequency		Horizontal 31-64kHz Vertical 56-75Hz	Horizontal 31-80kHz Vertical 56-75Hz
Input Signal		VGA (RGB-PC)	
		Audio in & out	
Active Display Area (HxV)		409.8mm x 230.4mm	476.64mm x 268.11 mm
Packing Dimensions (W x H x D)		500mm x 375mm x 125mm (19.69 x 14.76. 4.92)	565mm x 415mm x 125mm
Weight		Net 2.63KG (6.46lbs)	Net 3.5kg (7.72lbs)
		Gross 4.73kg (10.14lbs)	Gross 4.6Kg (10.14)
Electrical Ratings		12VDC 1.1A	12VDC 2.1A