



*R165D3IT5IM21-2T*  
*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.
- POS Interfacing allows the system to record both video and receipt information for transactions.
- Motion Blocks enable you to be selective your Motion Detection. Set camera view regions of higher and lower sensitivity to avoid areas of typical high traffic.
- 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.

## Contents

- *16 Ch. 2TB 960H DVR with 12 RJ12 and 4 BNC Ports*
- *1200 TVL Indoor Dome Camera with 120' Night Vision (3)*
- *1200 TVL Indoor/Outdoor Turret Camera with 120' Night Vision (5)*
- *21.5" LED Monitor*
- *Wired Mouse*
- *Remote Control*
- *60' RJ12 Cables (8)*

R16DVR5	
VIDEO	
Signal Format	NTSC
Video Input	12 RJ-12 and 4 BNC inputs, 1 Vp-p, auto-terminating, 75 Ohms
Monitor Outputs	HDMI: 1 HDMI VGA: 1
Video Resolution	HDMI: 1920x1080, 1440x900, 1280x1024 VGA: 1920x1080, 1440x900, 1280x1024
Record Speed (images per second)	480ips (NTSC), 400ips (PAL) @ D1 (Real-time)
Playback Speed (images per second)	480ips (NTSC), 400ips (PAL) @ CIF (Full Duplex)
INPUTS/OUTPUTS	
Alarm Input	16 terminal, programmable as NC or NO, 2.4V (NC) or 0.3V (NO) threshold, 5VDC
Alarm Output	2 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
Alarm Output	RCA Output: 1, Line Out
Text Input	POS Interface, ATM Interface
CONNECTORS	
Video Input	12 RJ-12 (12V , Max. 410mA) and 4 BNC
Monitor Output	HDMI: 1 HDMI VGA: 1 VGA
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)
STORAGE	
Primary Storage	SATA hard disk drive
Secondary Storage	USB flash drive
GENERAL	
Dimensions (WxHxD)	11.8" x 2.4" x 9.1" (300mm x 62mm x 232mm)
Unit Weight	6.83 lbs. (3.1kg)
Shipping Weight	11.46 lbs. (5.2kg)
Shipping Dimensions	15.4" x 4.4" x 14.2" (390mm x 113mm x 360mm)
Operating Temperature	41°F to 104°F (5°C to 40°C)
Operating Humidity	0% to 90%
Power	DVR: 12V , 1.9A (Adaptor: 100-240 V~, 50/60Hz, 1.5A, 12V , 5A) Camera: 12V , 2.5A (Adaptor: 100-240 V~, 50/60Hz, 1.5A, 12V , 5A)
Power Consumption	DVR: Max. 25W Camera: Max. 40W
Approvals	FCC

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RCDS30-4	
Image Device	1/3" Color Image Sensor
Picture Elements	NTSC: 1280(H) x 1024 (V)
Resolution	1200 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)	130mA max.
Power Consumption (On)	300 mA max.
Infrared Illuminator Module	
Infrared Luminary	30IR LED
Illuminant Distance	36m
Wavelength	850nm
Power Supply	DC 12V±10%
Power Consumption	4W
System Device	
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

RCTS30-4	
Image Device	1/3" Color Image Sensor
Picture Elements	NTSC: 1280(H)x1024(V)
Resolution	1200 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 (IR Off)	130mA max.
Power Consumption (IR On)	300mA max.
Infrared Illuminator Module	
Infrared Luminary	30IR LED
Illuminant Distance	36m
Wavelength	850nm
Power Supply	DC12V± 10%
Power Consumption	4W
System Device	
Operating Temp.	-10°C to 50°C (14°F to 122°F)
Construction	Aluminum Case
Waterproofing Criterion	IP 66
Dimensions	Φ37x78(H)mm

RM215			
		18.5	21.5
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