R165D2GT6GM21-1T
Specification Sheet

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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. 1TB 960H DVR with 12 RJ12 and 4 BNC Ports
- 700 TVL Indoor Dome Camera with 100’ Night Vision (2)
- 700 TVL Indoor/Outdoor Turret Camera with 100’ Night Vision (6)
- 21.5” LED Monitor
- Wired Mouse
- Remote Control
- 60’ RJ12 Cables (8)
### R16DVR5

<table>
<thead>
<tr>
<th><strong>VIDEO</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Signal Format</strong></td>
<td>NTSC</td>
</tr>
<tr>
<td><strong>Video Input</strong></td>
<td>12 RJ-12 and 4 BNC inputs, 1 Vp-p, auto-terminating, 75 Ohms</td>
</tr>
<tr>
<td><strong>Monitor Outputs</strong></td>
<td>HDMI: 1 HDMI, VGA: 1</td>
</tr>
<tr>
<td><strong>Video Resolution</strong></td>
<td>HDMI: 1920x1080, 1440x900, 1280x1024, VGA: 1920x1080, 1440x900, 1280x1024</td>
</tr>
<tr>
<td><strong>Record Speed (images per second)</strong></td>
<td>480ips (NTSC), 400ips (PAL) @ D1 (Real-time)</td>
</tr>
<tr>
<td><strong>Playback Speed (images per second)</strong></td>
<td>480ips (NTSC), 400ips (PAL) @ CIF (Full Duplex)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>INPUTS/OUTPUTS</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alarm Input</strong></td>
<td>16 terminal, programmable as NC or NO, 2.4V (NC) or 0.3V (NO) threshold, 5VDC</td>
</tr>
<tr>
<td><strong>Alarm Output</strong></td>
<td>2 relay output, terminal blocks, 1A@30VDC (NO)</td>
</tr>
<tr>
<td><strong>Internal Buzzer</strong></td>
<td>80dB at 10cm</td>
</tr>
<tr>
<td><strong>Network Connectivity</strong></td>
<td>10/100Mbps, 1Gbps Ethernet (RJ-45)</td>
</tr>
<tr>
<td><strong>Audio Input</strong></td>
<td>RJ-12 Input: 12 Line In</td>
</tr>
<tr>
<td><strong>Alarm Output</strong></td>
<td>RCA Output: 1, Line Out</td>
</tr>
<tr>
<td><strong>Text Input</strong></td>
<td>POS Interface, ATM Interface</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CONNECTORS</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video Input</strong></td>
<td>12 RJ-12 (12V, Max. 410mA) and 4 BNC</td>
</tr>
<tr>
<td><strong>Monitor Output</strong></td>
<td>HDMI: 1 HDMI, VGA: 1 VGA</td>
</tr>
<tr>
<td><strong>Audio In</strong></td>
<td>12 RJ-12 connector</td>
</tr>
<tr>
<td><strong>Audio Out</strong></td>
<td>1 RCA connector</td>
</tr>
<tr>
<td><strong>Alarm Input/Output</strong></td>
<td>Terminal Blocks</td>
</tr>
<tr>
<td><strong>Ethernet Port</strong></td>
<td>RJ-45</td>
</tr>
<tr>
<td><strong>RS485 Serial Port</strong></td>
<td>Two-connector terminal block</td>
</tr>
<tr>
<td><strong>IR Port</strong></td>
<td>1 Remote Control</td>
</tr>
<tr>
<td><strong>USB Port</strong></td>
<td>2 (USB 2.0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>STORAGE</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Primary Storage</strong></td>
<td>SATA hard disk drive</td>
</tr>
<tr>
<td><strong>Secondary Storage</strong></td>
<td>USB flash drive</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GENERAL</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions (WxHxD)</strong></td>
<td>11.8” x 2.4” x 9.1” (300mm x 62mm x 232mm)</td>
</tr>
<tr>
<td><strong>Unit Weight</strong></td>
<td>6.83 lbs. (3.1kg)</td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>11.46 lbs. (5.2kg)</td>
</tr>
<tr>
<td><strong>Shipping Dimensions</strong></td>
<td>15.4” x 4.4” x 14.2” (390mm x 113mm x 360mm)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>41°F to 104°F (5°C to 40°C)</td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td>0% to 90%</td>
</tr>
</tbody>
</table>
| **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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<thead>
<tr>
<th><strong>RCDS30-3</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Device</strong></td>
<td>1/3&quot; Color Image Sensor</td>
</tr>
<tr>
<td><strong>Picture Elements</strong></td>
<td>NTSC: 976(H) x 494 (V)</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>700 TVL</td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
<td>0 Lux (IR On)</td>
</tr>
<tr>
<td><strong>S/N Ratio</strong></td>
<td>More than 48 dB</td>
</tr>
<tr>
<td><strong>Electronic Shutter</strong></td>
<td>NTSC: 1/60S-1/100,000S</td>
</tr>
<tr>
<td><strong>Gamma</strong></td>
<td>0.45</td>
</tr>
<tr>
<td><strong>Sync System</strong></td>
<td>Internal</td>
</tr>
<tr>
<td><strong>Lens Furnished</strong></td>
<td>Board Lens</td>
</tr>
<tr>
<td><strong>White Balance</strong></td>
<td>Auto</td>
</tr>
<tr>
<td><strong>Gain Control</strong></td>
<td>Auto</td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>1 Vp-p/ 75 Ohms</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>DC12V±10%</td>
</tr>
<tr>
<td><strong>Power Consumption (Off)</strong></td>
<td>90mA max.</td>
</tr>
<tr>
<td><strong>Power Consumption (On)</strong></td>
<td>300 mA max.</td>
</tr>
</tbody>
</table>

**Infrared Illuminator Module**

| **Infrared Luminary** | 30IR LED |
| **Illuminant Distance** | 25m |
| **Wavelength** | 850nm |
| **Power Supply** | DC 12V±10% |
| **Power Consumption** | 4W |

**System Device**

<p>| <strong>Operating Temp.</strong> | -10°C to 50°C (14°F to 122°F) |
| <strong>Operating Humidity</strong> | 0%RH<del>70%RH |
| <strong>Storage Humidity</strong> | 0%RH</del>85%RH |
| <strong>Dimensions</strong> | φ 141x84(H)mm |</p>
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<td><strong>NTSC: 976(H)x494(V)</strong></td>
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<td><strong>Resolution</strong></td>
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<tr>
<td><strong>Min. Illumination</strong></td>
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</tr>
<tr>
<td><strong>S/N Ratio</strong></td>
<td><strong>More than 48 dB</strong></td>
</tr>
<tr>
<td><strong>Electronic Shutter</strong></td>
<td><strong>NTSC: 1/60S~1/100,000S</strong></td>
</tr>
<tr>
<td><strong>Gamma</strong></td>
<td><strong>0.45</strong></td>
</tr>
<tr>
<td><strong>Sync System</strong></td>
<td><strong>Internal</strong></td>
</tr>
<tr>
<td><strong>Lens Furnished</strong></td>
<td><strong>Board Lens</strong></td>
</tr>
<tr>
<td><strong>White Balance</strong></td>
<td><strong>Auto</strong></td>
</tr>
<tr>
<td><strong>Gain Control</strong></td>
<td><strong>Auto</strong></td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td><strong>1 Vp-p/75 Ohms</strong></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td><strong>DC12V± 10%</strong></td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td><strong>90mA max.</strong></td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td><strong>300mA max.</strong></td>
</tr>
<tr>
<td><strong>Infrared Illuminator Module</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Infrared Luminary</strong></td>
<td><strong>30IR LED</strong></td>
</tr>
<tr>
<td><strong>Illuminant Distance</strong></td>
<td><strong>25m</strong></td>
</tr>
<tr>
<td><strong>Wavelength</strong></td>
<td><strong>850nm</strong></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td><strong>DC12V± 10%</strong></td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td><strong>4W</strong></td>
</tr>
<tr>
<td><strong>System Device</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Operating Temp.</strong></td>
<td><strong>-10°C to 50°C (14°F to 122°F)</strong></td>
</tr>
<tr>
<td><strong>Operating Humidity</strong></td>
<td><strong>0%RH~70%RH</strong></td>
</tr>
<tr>
<td><strong>Storage Humidity</strong></td>
<td><strong>0%RH~85%RH</strong></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td><strong>φ77x78(H)mm</strong></td>
</tr>
<tr>
<td>LCD Type</td>
<td>18.5</td>
</tr>
<tr>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>Type</td>
<td>18.5” Diagonal AM-TFT</td>
</tr>
<tr>
<td>Pixel pitch (mm)</td>
<td>0.3(H) x 0.3 (V)</td>
</tr>
<tr>
<td>Brightness</td>
<td>250cd/m² (Typical)</td>
</tr>
<tr>
<td>Contrast ratio</td>
<td>1000:1 (typical)</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>170°/160° (H/V)</td>
</tr>
<tr>
<td>Response time</td>
<td>5ms (Typ., on/off)</td>
</tr>
<tr>
<td>Resolution (H x V)</td>
<td>1366x768 @60Hz</td>
</tr>
<tr>
<td>Frequency</td>
<td>Horizontal 31-64kHz Vertical 56-75Hz</td>
</tr>
<tr>
<td>Input Signal</td>
<td>VGA (RGB-PC)</td>
</tr>
<tr>
<td>Active Display Area (HxV)</td>
<td>409.8mm x 230.4mm</td>
</tr>
<tr>
<td>Packing Dimensions (W x H x D)</td>
<td>500mm x 375mm x 125mm (19.69 x 14.76. 4.92)</td>
</tr>
<tr>
<td>Weight</td>
<td>Net 2.63KG (6.46lbs)</td>
</tr>
<tr>
<td>Gross 4.73kg (10.14lbs)</td>
<td>Gross 4.6Kg (10.14)</td>
</tr>
<tr>
<td>Electrical Ratings</td>
<td>12VDC 1.1A</td>
</tr>
</tbody>
</table>