



Multi-Format Recording Device



Features:

- Multi-Technology Platform – Analog / AHD / TVI / IP
- High resolution recording up to 1080p AHD, 3MP TVI, 5MP IP
- Remote access via Network through web browser, DMS
- Pentaplex Operation: Simultaneous Live Record / Playback / Archive / Network
- Video access through mobile devices
- USB mouse, hand-held remote
- Snapshot feature allows user to generate JPG image from archive and save directly to USB

Specifications (continued)

| Model | | DR-16M55-RA |
|-------------------------|--|---|
| | Channels | 16 Channel |
| Video | Input Signal | Max Analog 16Ch: SD(960) / AHD,TVI(HD,FHD) / Max IP of 16Ch: up to 5MP@12FPS |
| | Main Monitor | VGA/HD (main/HD spot selectable) |
| | Spot out | 2 Ch's (Layouts 1x1, 2x2, 3x3) |
| | Loop Through | TBD |
| | Motion Detection | Yes |
| Audio | Input Signal | 16Ch: (10KOhm, 2.8Vpp) |
| | Output Signal | 1Ch: (600Ohm, 2.8Vpp) |
| | Audio CODEC | G.711 / Bi-directional |
| Recording | Recording CODEC | H.264 |
| | Recording Rate | Analog: up to 192 FPS@ 5MP, up to 240FPS @ 3MP & 4MP, up to 480FPS @ FHD, IP: up to 192 FPS@ 5MP, up to 480FPS@ FHD, 3MP, 4MP |
| | Rec. Resolution | CIF, 2CIF, D1, 960H, 720P, 1080P, 3MP, 4MP, 5MP |
| Alarm I/O | Alarm Input | 18Ch: 16 Ch+ (1Ch Panic, 1Ch ARI), Pulled up to 5V via 10KOhm |
| | Alarm Out | 8 Ch, Relay (125VAC, 60VDC), 8 Ch, O.C. (Pulled up to 5V via 1KOhm) |
| Storage | Internal HDD | Max 5 |
| | External Storage | eSATA, NAS (FTP Server for Backup) |
| | Internal ODD | 1Ea (DVD-RW) with HDD 4 Ea |
| Interface | USB | 3 ports (2 Front + 1 Rear) |
| | RS-485 / RS-232 | 2 (RS-485) 1 (RS-232) |
| | Ethernet Port | 1 (WAN) - 10/100/1000Mbps |
| | IR Remote Control | Yes |
| Additional | Signal Switch | No |
| | Watchdog | Yes |
| | Cooling Fan | Max 2 x 80mm |
| Power | Power Supply | 12VDC, Adapter, 7.5A, 100~200V AC, 50-60Hz (UL Listed) |
| | Power Consumption | 21W max. without HDD |
| Environment | Temperature / Humidity | 32°F~104°F, 0°C ~ 40°C / 10 ~ 90% NC |
| Chassis | Dimension (mm) | 2U: 16.9" x 14.4" x 3.3" / (430 x 367 x 88.4mm) |
| | Gross Weight | 12.6 lbs (19 lbs with packing materials) / 5.7kg (9kg with packing materials) |
| Certifications | Certifications | CE, FCC, UL Listed |
| Monitoring | Display Rate | Analog: up to 320FPS@ 5MP, up to 480FPS@ FHD, 3MP, 4MP IP: up to 192FPS@ 5MP, up to 480FPS@ FHD, 3MP, 4MP |
| | Display Resolution | HDMI: 4K / 1080P / 720P / VGA, Dual Display (Mirroring) |
| | Display Mode | 1, 4, 6, 8, 9,16 |
| | Sequence | Programmable Sequence |
| | Digital Zoom | Yes |
| | Covert Cameras | Yes |
| | Camera Color Control | Yes (Contrast, Color, Tint, Brightness) |
| Record Functions | PTZ Camera | Yes |
| | Schedule Method | Daily/Weekly Each Hour |
| | Programmable for CH | Yes |
| | Manual Recording | Yes |
| | Post-Event Recording | 5/10/15/20/30/60/180 Sec |
| | Event Recording | Yes |
| | Pre-Event Recording | 0/1/2/3/4/5/10/15 Sec |
| | Panic Recording | Yes |
| | Event Logging | Yes (Motion, Alarm, Panic, Vloss) |
| | System Logging | Yes (System On/Off, Time Changed, HDD/Email Operations, System Operations) |
| | Setup Logging | Yes (Setup Changed) |
| Remote Logging | Yes (WHO, IP Address, Remote Operations) | |

Specifications (continued)

| DR-16M55-RA | | |
|-------------------|--|--|
| Archiving | Archiving Devices | USB Memory, FTP |
| | Remote Archiving | Yes (Web RA, VMS, FTP) |
| | Snapshot Archiving | Yes |
| | Data Reserving | Yes |
| | Reserved Data List Management | Yes |
| | Backup Data Format | AVI, RAW |
| | Watermark | Yes, Watermark Verification |
| | Archived Data Playback | Yes |
| Network | Max. Connections | 32 Users |
| | DHCP / DDNS | Yes |
| | Transmission Rate | Max 480 FPS |
| | Bandwidth Control | Yes |
| | Web Browser Access | Yes |
| | Remote Function | Remote Monitoring / Playback/ Archiving / Setup / Ptz Control / Health Check |
| | VMS Support | Yes |
| | Two-Way Audio | Yes |
| | PC Based Remote Agent | Yes |
| | Smart Phone Application | Yes (iOS, Android) |
| | Web Based Remote Agent | Yes (Windows®, LINUX, Mac OS/X®, Etc.) |
| | SDK | YES (HTTP, RTSP Protocol Base) |
| | Auto-Router Port Forwarding | Yes |
| | Dual Streaming | Yes |
| | FTP Client | Yes (For Archiving) |
| | E-Mail | YES (SMTP Client) |
| | Authority Control | Admin / Manager / User |
| Protocols | RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, UPNP (Router Port Forwarding) | |
| Event | Type | Video Loss Event / Event Notification / Event Popup / Motion Detection/ Motion Sensor Area |
| Additional | Language | Multi-Language |
| | Keyboard Controller | Yes |
| | Operating System | Linux® |
| | File System | Pro Filesystem |
| | DST Setup | Yes |
| | Disk Temperature Check | Yes (depending on The HDD Spec) |
| | Disk S.M.A.R.T Check | Yes |
| | Auto Disk Recovery | Yes |
| | F/W Upgrade | Yes |
| | Setup Import / Export | Yes |
| PTZ Control | Yes (Pan / Tilt / Zoom / Focus / Iris / Preset) | |

All specifications are subject to change without notice.