



## DD1A-16

16 Ch TVI/AHD/CVI/Analog/IP Universal Port Recorder,  
with 8 Bonus IP Ch, Up to 24 cameras total, 1 HD Bay

|                           |   |
|---------------------------|---|
| System                    | DD1A-16   |
| Main Processor            | Embedded Processor  |
| Operating System          | Embedded LINUX  |
| Video and Audio           |   |
| Analog Camera Input       | 16 Channel, BNC   |
| HDCVI Camera              | 4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps  |
| AHD Camera                | 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps   |
| TVI Camera                | 5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps   |
| CVBS Camera               | PAL/NTSC  |
| IP Camera Input           | 16+8 Channel, each channel up to 8MP  |
| Audio In/Out              | 1/1, RCA  |
| Two-way Talk              | Reuse audio in/Out, RCA   |
| Recording                 |   |
| Compression               | H.265+/H.265/H.264+/H.264   |
| Resolution                | 4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF  |
| Record Rate               | Main stream: 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps);<br>4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF(1~25/30fps)<br>Sub stream: 960H(1~15fps);<br>D1/CIF(1~25/30fps) |
| Bit Rate                  | 32Kbps ~ 6144Kbps Per Channel   |
| Record Mode               | Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop  |
| Record Interval           | 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec   |
| Audio Compression         | AAC(only for the 1st channel), G.711A, G.711U, PCM  |
| Audio Sample Rate         | 8KHz, 16 bit Per Channel  |
| Audio Bit Rate            | 64Kbps Per Channel  |
| Display                   |   |
| Interface                 | 1 HDMI, 1 VGA   |
| Resolution                | HDMI: 3840x2160, 2560x1440, 1920x1080, 1280x1024, 1280x720<br>VGA: 1920x1080, 1280x1024, 1280x720   |
| Multi-screen Display      | When IP extension mode not enabled:<br>16CH: 1/4/8/9/16<br>When IP extension mode enabled:<br>16CH: 1/4/8/9/16/25   |
| OSD                       | Camera title, Time, Video loss, Camera lock, Motion detection, Recording  |
| Network                   |   |
| Interface                 | 1 RJ-45 Port (1000M)  |
| Network Function          | HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P Search                            |
| Max. User Access          | 128 users   |
| Smart Phone               | iPhone, iPad, Android   |
| Interoperability          | ONVIF 1.6.12, CGI Conformant  |
| Video Detection and Alarm |   |
| Trigger Events            | Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips  |
| Video Detection           | Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering and Diagnosis  |
| Playback and Backup       |   |
|                           | 16CH: 1/4/9/16  |
| Search Mode               | Time /Date, Alarm, MD and Exact Search (accurate to second)   |
| Playback Function         | Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom |
| Backup Mode               | USB Device/Network  |

|                                 |   |
|---------------------------------|---|
| Storage                         |   |
| Internal HDD                    | 1 SATA Port, up to 10TB capacity  |
| Auxiliary Interface             |   |
| USB                             | 2 USB Ports (1 USB 2.0, 1 USB 3.0)  |
| RS485                           | 1 Port, for PTZ Control   |
| Electrical                      |   |
| Power Supply                    | 16CH: DC12V/3A  |
| Power Consumption (without HDD) | 16CH: <20W  |
| Construction                    |   |
| Dimensions                      | Mini 1U, 325mmx255mmx55mm (12.8" x 10" x 2.2")  |
| Net Weight (without HDD)        | 16CH: 1.3kg (2.9 lb)  |
| Gross Weight                    | 16CH: 2.0kg (4.4lb)   |
| Installation                    | Desktop installation  |
| Environmental                   |   |
| Operating Conditions            | -10°C ~ +55°C (+14°F ~ +131°F), 10% ~ 90% RH  |
| Storage Conditions              | -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  |
| Third-party Support             |   |
| Third-party Support             | Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dahua, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |
| Dimensions                      | Mini 1U, 325mmx255mmx55mm (12.8" x 10" x 2.2")  |
| Certifications                  |   |
| Certifications                  | FCC: Part 15 Subpart B<br>CE: CE-LVD: EN 60950-1/IEC 60950-1<br>CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024<br>UL: UL 60950-1      |

### Ordering Information

**DD1A-16:** 16 Ch DVR  
Available with 2/4/6/8/10 TB Hard Drive Options